1983-84
CATALOG
&
ANNOUNCEMENTS

CALENDAR FOR 1983-84

Summer Session

May 30 - June 28	First Term
June 29 - July 29	Second Term

First Semester

August 27	Fall Conference for faculty
August 28	Residence halls open, 10 a.m.
August 29-30	Orientation for new students
August 30	Registration for class changes
August 31	Classes meet on regular schedule
September 1	*Opening Convocation
September 16	Last day for schedule changes without grade
October 13	Tap Day
October 15	Mid-semester holidays begin
October 18	Mid-semester holidays end
October 21	Mid-semester grades due
October 22	Homecoming
October 28	Last day for dropping courses with grades of WP or WF
November 2	Fall Symposium
November 7-22	Early registration for spring semester
November 23	Thanksgiving holidays begin, 12 noon Residence halls close, 3 p.m.
November 27	Thanksgiving holidays end Residence halls open, 12 noon
December 13	Last regular meeting of classes
December 14	Reading day
December 15, 16, 17, 19, 20	Final examination days
December 21	Residence halls close at 10 a.m.
December 22-28	College offices closed
December 29	Semester grades due in the Office of Records
January 2-4	College offices closed

Second Semester

January 8	Residence halls open 10 a.m.
January 9-10	Registration for class changes
January 11	Classes meet on regular schedule
January 24	Last day for schedule changes without grade
February 17-18	Founders' Weekend
February 23	Tap Day
February 24	Mid-semester grades due
March 2	Last day for dropping courses with grades of WP or WF
March 2	Spring holidays begin, 3 p.m. Residence halls close, 3 p.m.
March 11	Spring holidays end Residence halls open, 12 noon
March 24	Elizabethan Faire
April 9-25	Early registration for fall semester 1984
April 10-13	Comprehensive examinations
April 19	Awards Day
April 20	Good Friday - College offices closed half day
April 22	Easter
April 24	Last regular meeting of classes
April 25	Reading day Final grades for graduating seniors due
April 26, 27, 28, 30, May 1	Final examination days
May 4	Semester grades due in the Office of Records
May 6	*Commencement Day
May 7	Residence halls close at 10 a.m.

*Formal academic occasion

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THE PURPOSE OF MILLSAPS COLLEGE

Millsaps College has as its primary aim the development of men and women for responsible leadership and well-rounded lives of useful service to their fellow men, their country, and their God. It seeks to function as a community of learners where faculty and students together seek the truth that frees the minds of men.

As an institution of the Methodist Church, Millsaps College is dedicated to the idea that religion is a vital part of education; that education is an integral part of the Christian religion; and that church-related colleges, providing a sound academic program in a Christian environment, afford a kind of discipline and influence which no other type of institution can offer. The college provides a congenial atmosphere where persons of all faiths may study and work together for the development of their physical, intellectual, and spiritual capacities.

As a liberal arts college, Millsaps seeks to give the student adequate breadth and depth of understanding of civilization and culture in order to broaden his perspective, to enrich his personality, and to enable him to think and act intelligently amid the complexities of the modern world. The curriculum is designed to avoid premature specialization and to integrate the humanities, the social studies, and the natural sciences for their mutual enrichment.

The college recognizes that training which will enable a person to support himself adequately is an essential part of a well-rounded education. On the other hand, it believes that one of the chief problems of modern society is that in too many cases training as expert technicians has not been accompanied by education for good citizenship. It offers, therefore, professional and pre-professional training balanced by cultural and humane studies. In an environment that emphasizes the cultural and esthetic values to be found in the study of language, literature, philosophy, and science, the student at Millsaps can also obtain the necessary courses to prepare him for service in such fields as teaching, journalism, social work, and business or for professional study in these areas as well as in theology, medicine, dentistry, engineering, law, and other fields.

As an institution of higher learning, Millsaps College fosters an attitude of continuing intellectual awareness, of tolerance, and of unbiased inquiry, without which true education cannot exist. It does not seek to indoctrinate, but to inform and inspire. It does not shape the student in a common mold of thought and ideas, but rather attempts to search out his often deeply hidden aptitudes, capacities, and aspirations and to provide opportunities for his maximum potential development. It seeks to broaden his horizons and to lift his eyes and heart toward the higher and nobler attributes of life. The desired result is an intelligent, voluntary dedication to moral principles and a growing social consciousness that will guide him into a rich, well-rounded Christian life, with ready acceptance of responsibility to neighbor, state, and church.

—adopted by the Faculty and Board of
Trustees of Millsaps College, 1955-56

1
information for prospective students

HISTORY OF THE COLLEGE

Millsaps College was founded in 1890 by the Methodist Church as a "Christian college for young men." The philanthropy of Major Reuben Webster Millsaps and other Methodist leaders in Mississippi enabled the college to open two years later on the outskirts of Jackson, the state capital, a town of some 9,000 population. The beginnings were modest: two buildings, 149 students (two-thirds of whom were enrolled in a preparatory school), five instructors, and an endowment of $70,432. Fifty years later, the student body numbered 599 and the faculty had increased to 33. Women were admitted at an early date and the graduation of Sing Ung Zung of Soochow, China, in 1908, began a tradition of the college's influence beyond the borders of the state.

Millsaps' first president, William Belton Murrah, served until 1910. Other presidents have been: David Carlisle Hull (1910-1912), Dr. Alexander Farrar Watkins (1912-1923), Dr. David Martin Key (1923-1938), Dr. Marion Lofton Smith (1938-1952), Dr. Homer Ellis Finger, Jr., (1952-64), Dr. Benjamin Barnes Graves (1965-1970), and Dr. Edward McDaniel Collins, Jr. (1970-1978). Dr. George Marion Harmon was named president in the fall of 1978.

GENERAL INFORMATION

The close personal relationship among students, faculty and the administration is one of the most vital parts of the Millsaps experience. A liberal arts college designed to train students for responsible citizenship and well-balanced lives, Millsaps offers professional and pre-professional training coupled with cultural and disciplinary studies. Students are selected on the basis of their ability to think, desire to learn, good moral character and intellectual maturity. The primary consideration for admission is the ability to do college work satisfactory to the college and beneficial to the student.

Millsaps' 1,200-member student body represents about 30 states and several foreign countries. Students come from 25 religious denominations. All are urged to take advantage of the educational and cultural offerings of Mississippi's capital city of Jackson.

Research facilities available are: the State Department of Archives and History, the State Library, the library of the State Department of Health, and the Jackson Public Library. Together, they provide research facilities found nowhere else in the state. Cultural advantages include: the Jackson Symphony Orchestra, The Jackson Ballet Company, New Stage Theatre, Mississippi Opera Association, and musical, dramatic, and sporting events held at the City Auditorium and the Mississippi Coliseum.

Millsaps is fully accredited by the Southern Association of Colleges and Schools and approved by the American Association of University Women and the University Senate of the United Methodist Church. It is recognized by the General Board of Education of the United Methodist Church as one of its strongest institutions.

THE MILLSAPS-WILSON LIBRARY

The Millsaps-Wilson Library has more than 150,000 volumes and 650 periodical subscriptions. It provides individual study carrels and rooms as well as browsing and lounge areas. There is a collection of audiovisual materials and listening facilities. Special collections are: the Lehman Engel Collection of books, manuscripts, recordings, and correspondence relating to the theatre and the arts; the Mississippi Methodist Archives; a rare book collection; the Kellogg Collection of juvenile books and curriculum materials; U.S. government documents; and the Millsaps Archives. The library belongs to the Central Mississippi Library Council and the Southeastern Library Network.

THE COMPUTING CENTER

In today's complex society, students need to be able to understand the role of the computer. Accordingly, a good college must have a strong computing resource. Millsaps has one of the finest computing facilities available for easy student access. From several terminal cluster locations on campus, students and faculty can use the Digital PDP-11 RSTS/E timesharing computer system which is located in the Academic Complex. Additional resources are the PDP-8/e laboratory and teaching computer and the EAI-TR20 analog computer which are located in Sullivan-Harrell Hall.

BUILDINGS AND GROUNDS

The 100-acre campus is valued at about $30 million. Chief administrative offices are in Whitworth Hall. Murrah Hall, built in 1914, has been recently renovated to house the School of Management. Sullivan-Harrell Science Hall was built in 1928 and was renovated in 1963 to house the science program.

The Christian Center, completed in 1950, was built with gifts from Mississippi Methodists, alumni, and friends. It has a 1,000-seat auditorium, a small chapel, classrooms, and offices. In 1967, the stage was renovated into a modern theatre stage.

The James Observatory is an historical landmark located on the northwest corner of the campus.

The Physical Activities Center, dedicated in 1974, has courts for basketball, tennis, badminton, and volleyball. Weight-training and physical therapy rooms are also included in this multi-purpose facility. An outdoor swimming pool is adjacent to this facility. Other athletic facilities include tennis courts and fields for football, baseball, soccer, and track.

The Boyd Campbell Student Center houses the office of student affairs, the bookstore, post office, student activity quarters and a recreation area. The grill and dining hall are located in the student center also.

There are three residence halls for women and two for men. All are air conditioned.

The Academic Complex, completed in 1971, includes a recital hall in which is located a 41-rank Mohler organ. The complex houses Music, Art, Political Science, Computer Services, Business Office, Office of Records, Business Affairs, and Continuing Education. It also contains skylit art studios, a student computer terminal room, a music laboratory and classrooms.

ADMISSION REQUIREMENTS

Millsaps College accepts without regard to race, color, sex, creed, or national origin all who are qualified to benefit from its academic program. Applicants must furnish evidence of:

1. Good moral character
2. Sound physical and mental health
3. Adequate scholastic preparation
4. Intellectual maturity

Freshman Admission

Application for admission to freshman standing may be made by one of the following:

1. By high school graduation, provided that:

(a) The student's record shows satisfactory completion of graduation requirements with at least 12 units of English, mathematics, social studies, natural sciences or foreign language. Four units of English should be included.

(b) Results of the American College Test (A.C.T.) or the Scholastic Aptitude Test (S.A.T.) are submitted and reflect satisfactory scores.

2. By Equivalency Certificate

(a) Students who have not prepared for college may submit results of the General Educational Development Tests (G.E.D.) along with a transcript of work completed in lieu of requirements set forth in paragraph one (a).

(b) At the discretion of the Admissions Committee, results of the American College Test (A.C.T.) or the Scholastic Aptitude Test (S.A.T.) may be required.

3. Early Admission

(a) Students who are nearing high school graduation, but choose to enter college before graduation, may apply by submitting an official transcript and results of the American College Test (A.C.T.) or the Scholastic Aptitude Test (S.A.T.).

(b) At least 12 units in English, mathematics, social studies, natural sciences, or foreign languages must be included. Normally, four units of English are required.

Transfer Admission

A transfer student is one entering Millsaps as a full-time student from another institution of higher learning. A completed application for admission and transcripts showing all work attempted at other colleges or universities are required. These policies apply to the transfer applicant:

1. Full credit is normally allowed for work taken at other accredited institutions. Some courses which are not regarded as consistent with a liberal arts curriculum may not be credited toward a degree. Work done at non-accredited institutions may be validated if the student makes a satisfactory record at Millsaps.
2. After earning 62 semester hours at a junior or senior college, a student may not take additional work at a junior college and have it apply toward a degree from Millsaps College.
3. A student must complete the work necessary to fulfill requirements for a major at Millsaps or for pre-professional work or teaching licenses.
4. Grades and quality points earned at another institution will be recorded as they are on the transcript. The student must earn at Millsaps quality points at least double the number of hours of academic credit remaining on graduation requirements after transfer credits are entered.
5. In the case of a student transferring to Millsaps with more than three but less than six hours credit in a required subject, the head of the department concerned may approve a three-hour elective in that department as a substitute for the remainder of the required course.
6. The student is subject to the regulation on advanced placement and credit by examination.
7. Credit is not given for correspondence courses.

Part-Time Admission

A part-time student is one enrolled in a degree program but taking fewer than 12 hours. Requirements for admission and policies pertaining to part-time students are the same as those for full-time students.

Special Student Admission

A special student is one enrolled in a non-degree program. Applicants should submit the Special Student Application Form along with the application fee to the Office of Continuing Education. Transcripts of all academic work attempted must be provided the Office of Records prior to the end of the first month of enrollment. The following policies apply to special students:

1. Special students are expected to be 21 years of age and must present evidence of good character and maturity. Age requirements may be waived.
2. Special students may enroll for any courses without regard to graduation requirements, but must meet prerequisites for courses chosen.
3. Special students wishing to apply for a degree program must re-apply, provide full credentials and meet admission requirements for degree students.
4. Special students may not participate in extracurricular activities.

International Student Admission

Millsaps College welcomes international students. Admission credentials should be submitted well in advance of the semester in which one expects to enroll. They are:

1. Completed admission forms
2. Official transcript of all work attempted
3. Scores from the Test of English as a Foreign Language
4. Letters of recommendation from two persons
5. The application fee
6. A statement of resources for financial support while in the U.S.

Financial assistance is not available to international students so they must come prepared to pay the full cost of attending Millsaps and to support themselves during periods when the college is closed.

Advanced Placement and Credit by Examination

Students entering Millsaps College may earn a waiver of certain requirements or college credit as a result of their performance on specific examinations. The amount of waiver or credit is limited to eight hours in any discipline and to 18 hours overall, with the exception of the Adult Degree Program where the limits are 12 and 30 hours respectively.

Scores on the appropriate C.L.E.P. subject matter examination, Advanced Placement examination, or C.E.E.B. achievement test should be sent to the Office of Records for evaluation. If a waiver of requirements or credit is granted, the score on the examination used will be recorded on the student's record in lieu of a letter grade. An administrative fee will be assessed for each course so recorded. (See the section on Special Fees.)

Listed below are the Millsaps courses for which credit is given for Advanced Placement courses taken in high school and the score required in order to earn that credit. In some cases, maximum credit is only given following satisfactory completion of a Millsaps course in the same field.

Course	**A.P. Score**
Art 101, 103, 201	5, 4, 3
Biology 121-122	5, 4
Chemistry 121-122, 123-124	5, 4
English 101-102	5, 4*
French 201-202	5, 4**
German 201-202	5, 4**
History 101-102	5, 4*
History 201-202	5, 4*
Latin 303	5, 4*
Latin 305	5, 4*
Mathematics 108 (Calculus AB)	5, 4, 3
Mathematics 223-224 (Calculus BC)	5, 4, 3
Physics 111-112	5, 4, 3
Physics 131-132, 151-152	5, 4
Spanish 201-202	5, 4**

*Credit may be given for a three with approval of the department chairman.

**Credit will be given for a three with a grade of C or better in 251.

For information concerning scores necessary to attain course credit for other examinations, such as C.L.E.P., interested students should consult with the appropriate department chairman or the dean of the college.

APPLYING FOR ADMISSION

A prospective student should apply for admission well in advance of the date on which (s)he wishes to enter, particularly if housing accommodations on the campus are desired. The Admissions Committee acts on applications for both the spring and fall semesters as credentials are completed.

In applying for admission a prospective student should follow this procedure:

1. Submit a completed application for admission form with the application fee to the director of admissions. The fee is not refunded to a student unless the application is not approved.
2. Request the high school principal or college registrar to send an official transcript directly to the director of admissions.
   (a) Transfers must include a transcript from every college or university attended.
   (b) If the prospective student is enrolled in school at the time (s)he applies for ad-

mission, (s)he should have a transcript sent showing credits up to that time. A supplementary transcript will be required after admission.

3. Freshman applicants must submit results of either the American College Test (A.C.T.) or Scholastic Aptitude Test (S.A.T.)

Applicants to the Adult Degree Program should apply directly to the director of the Adult Degree Program. Applicants for the Master of Business Administration degree should apply directly to the director of the MBA Program.

COUNSELING PROGRAM

Counseling services are designed to help students accomplish maximum success in their academic work. Many members of the college community participate in counseling, and specialists are used as referral resources when problems require specialized therapy.

Pre-Registration Counseling: The college provides counseling services to any prospective student who wants to explore vocational and educational objectives before entering classes in the fall. Students who are admitted are urged to take advantage of this service.

Orientation: Freshmen and transfer students are expected to be on campus on dates specified in the college calendar. Orientation is planned and carried out cooperatively by students and faculty to help entering students prepare for campus life.

Faculty Advisors: New students are assigned to faculty members who serve as academic advisors. When a student chooses the major field, a professor in that field becomes the advisor.

Personal Counseling: The Office of Student Affairs counsels students on vocational choices, selection of fields of study, study and reading skills, emotional adjustments and related matters.

Testing: An individual testing service is available to help with self-analysis and planning in terms of interests.

STUDENT HOUSING

The dean and associate dean of student affairs coordinate housing in cooperation with residence hall directors and resident assistants. Men who are active members of a fraternity may live in its house after their freshman year.

All freshman men and women, unless they are married or live with members of their immediate families in Jackson or vicinity, are required to reside on campus in college residence halls and to dine on campus, also. Exceptions to this policy are unusual and must be authorized through the Office of the Dean of Student Affairs.

Residence hall rooms are designed to house two students each. Students wishing to room together should make every effort to pay room deposits at the same time and to specify their desire to room together. Single rooms are limited and a student desiring a single room should pay his room reservation fee as early as possible. Assignments are made in the order in which this fee or a completed application is received, whichever is later. Room preferences are honored unless the rooms are already taken by students who are eligible for them. Room rent cannot be refunded after the semester begins.

The quiet wing option is offered for students who wish to live in an environment where study is possible 24 hours a day.

Residence halls open at 10 a.m. on the day preceding each term and close at 10 a.m. on the day following the last scheduled examination of each term. For Thanksgiving and spring holidays, the residence halls will close at 3 p.m. on the last day of scheduled classes and reopen at noon on the day preceding the resumption of classes. Students are not housed in the residence halls during Thanksgiving, Christmas, or spring holidays.

MEDICAL SERVICES

Millsaps provides medical services to its students who are suffering from minor illnesses. The services are limited to students living in Millsaps residence halls and fraternity houses. Medical services through the college physician are available through the nurse on duty or, in her absence, one of the residence hall directors or the Office of Student Affairs.

The college pays for the initial visit to the college physician for each illness.

CAREER PLANNING AND PLACEMENT SERVICES

Current career information is available from the Career Planning and Placement Office where assistance is offered in career planning, job search techniques, and graduate school admission procedures. Career planning usually begins in the freshman year and is pursued, via testing, advising, counseling, seminars, internships and on-campus interviews, through the senior year.

Special programs are offered throughout the year on resume writing, interview preparation, career opportunities, job search techniques, and summer employment.

"SAPS", an acronym for Successful Alumni Providing Services, is our career advisory resource program. Students interested in learning more about a career area are paired with alumni working in that area to gain firsthand exposure to the profession.

Part-time positions both on and off campus are available through the Career Planning and Placement Office. Millsaps College has an excellent reputation with the Jackson business community based on past employment experiences with Millsaps students.

Placement files, containing credentials, are maintained for interested students and alumni.

STUDENT RECORDS

In accordance with the Family Educational Rights and Privacy Act of 1974, Millsaps College students have the right to review, inspect, and challenge the accuracy of information kept in a cumulative file by the institution. It also ensures that records cannot be released without the written consent of the student except in the following situations:

(a) to school officials and faculty who have a legitimate educational interest, such as a faculty advisor;

(b) where the information is classified as "directory information." The following categories of information have been designated by Millsaps College as directory information: name, address, telephone listing, date and place of birth, major field of study, participation in officially recognized activites and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, the most recent previous educational institution attended by the student, and information needed for honors and awards. If you do not wish such information released without your consent you should notify the Office of Records in writing prior to the end of the first day of classes.

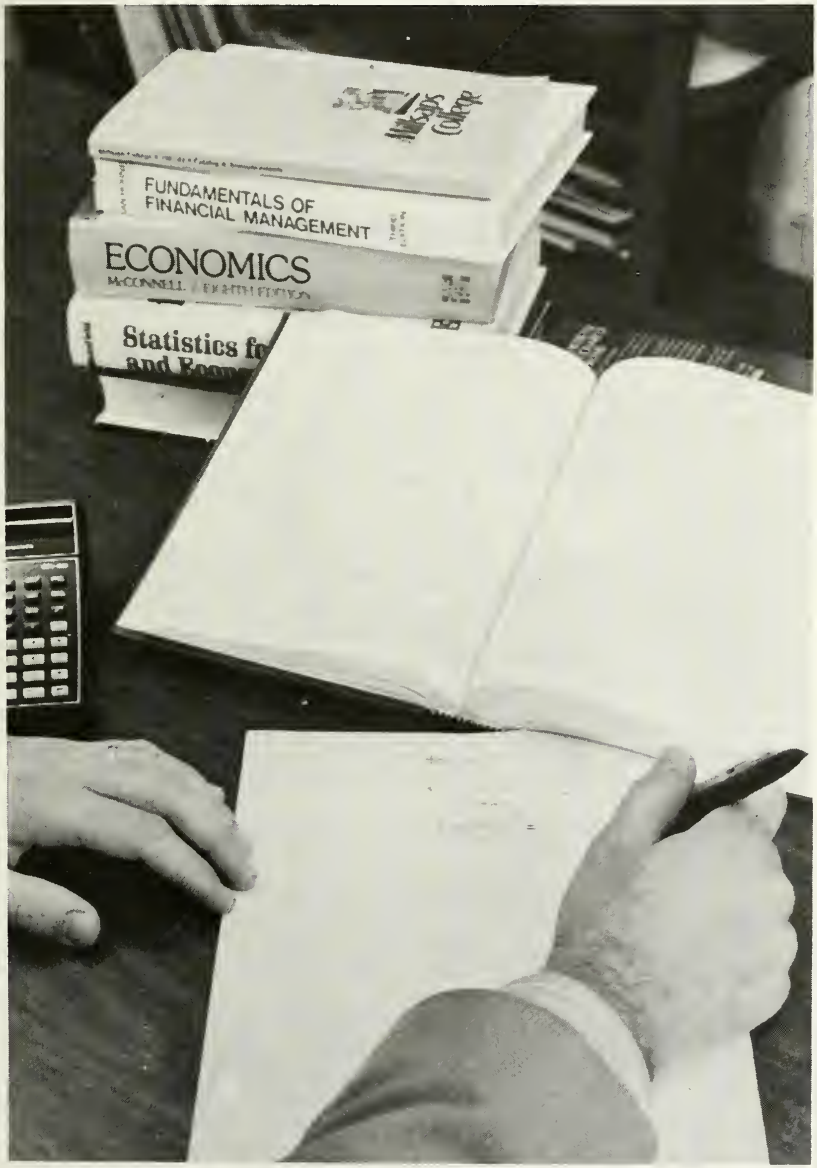
For a full statement of policy concerning the confidentiality of student records, consult the staff of the Office of Records or the Office of Student Affairs.

CHILDREN'S CENTER

The Education Department offers a laboratory school for children ages two-five. The school is open Monday through Friday from 8 a.m.-noon. In addition, there is a drop-in service for infants and children of Millsaps students. The hours for this service are 7:45 a.m.-5 p.m.

The location of the Children's Center is 604 Webster St.

2
financial information



TUITION AND FEES

Millsaps College is an independent institution. Each student is charged a tuition which covers approximately 58 percent of the cost of an education. The balance is met by income from endowment and by gifts from the United Methodist Church, alumni, trustees, parents, and other friends.

SEMESTER EXPENSES FOR FULL-TIME UNDERGRADUATE STUDENTS

(12-16 Semester Hours)

Basic expenses for one semester are:

	Resident	Non-Resident
Tuition	$2,250	$2,250
Student Association Fee	37.50	37.50
Activity Fee	40	40
Room rent*	425	
Meals**	525	
Total	$3,277.50	$2,327.50

SEMESTER EXPENSES FOR PART-TIME UNDERGRADUATE STUDENTS

(11 Hours or less)

1-7 hours	$ 150 per semester hour
8 hours	1,290
9 hours	1,530
10 hours	1,770
11 hours	2,010
Activity Fee	1.50 per semester hour

SCHEDULE OF CHARGES FOR ROOMS

	1st. Sem.	2nd. Sem.	Total
Double Occupancy	$ 510	$340	$ 850
Single Occupancy***	$1,020	$680	$1,700

*Dormitory rooms are ordinarily rented on a yearly basis according to the schedule above. This schedule of charges is for students who enter in the fall. Those students who enter second semester will pay half the annual rate for their type of occupancy. If the student changes type of occupancy during the year the charge will be adjusted accordingly.

**Two meal plans are available.

***A limited number of single rooms may be available depending upon the need for double occupancy. Students requesting the availability of a single room need to indicate their desire to the Housing Office at the time of making the room deposit. A listing of date of application for a single room will be maintained in the Housing Office.

Other fees depend on the courses for which the student registers, and on circumstances related to registration.

RESERVATION DEPOSITS

NEW STUDENTS—All full-time students must pay a reservation deposit of $100. If a student decides not to come to Millsaps, this deposit is refundable if the Admissions Office receives a request for refund prior to June 1.

RETURNING STUDENTS—All returning students requesting campus housing must pay a reservation deposit of $100. If a student decides to withdraw from college housing, this deposit is refundable if a request for refund is received prior to June 1.

PART-TIME STUDENTS—All students other than full-time must pay a reservation deposit of $50 upon registration in order to hold a place in class, unless they choose to pay their entire account at that time. This deposit is not refundable.

Reservation deposits will be credited to the student's account upon enrollment.

LABORATORY AND FINE ARTS FEES

Fine Arts Fees

Art courses	
Each course except 201, 202, 303, 420 and 421	$ 25
Music private lessons and use of practice rooms	
Per credit hour (½ hour lesson per week)	75

Science Laboratory Fees

Astronomy — all courses	32
Biology — all laboratory courses*	32
Chemistry — all laboratory courses*	32
— all laboratory courses breakage fee**	20
Geology — all courses*	32
Physics — all laboratory courses*	32

*Special Problems, Directed Study, Undergraduate Research

Per Credit hour 15

**Unused portion refundable at the end of the semester.

Other Laboratory Fees

Administration 336	22
Computer Studies - all courses	45
Education 337	11
Horsemanship	175
Languages 101-102	10
Mathematics - all courses using the computer	22
Natural Science 101-102	40
Psychology 312, 316	25

SPECIAL FEES

The general purpose of special fees is to allocate to the user at least a portion of the direct cost for providing special services, equipment and facilities.

COURSE OVERLOAD FEE.—A fee of $75 per semester hour is charged for course loads above 16 semester hours.

PARKING FEE.—A fee of $1 per semester hour ($15 maximum) is charged for students who wish to park on campus. This fee will help cover the cost of maintaining the college parking lots and streets. The streets on campus are the property of the college and must be maintained by the college. Students failing to register vehicles may be denied the privilege of parking on campus.

ACTIVITY FEE.—A fee of $40 is charged for general student activities. The fee covers admission to all college sponsored activities, the use of all college recreational facilities, and participation in college activities not covered by tuition. Part-time students are charged at the rate of $1.75 per semester hour.

CREDIT BY EXAMINATION FEE.—A $25 fee is assessed for the recording of each course for which credit is allowed if the credit is not transfer credit or if the examination is not a Millsaps examination.

CHANGE OF SCHEDULE FEE.—A $5 fee will be charged for each change of schedule authorization processed. Any change initiated by the college will have no fee.

GRADUATION FEE.—The $35 fee covers a portion of the cost of the diploma, the rental of a cap and gown, and general commencement expenses.

MUSIC FEE.—Music majors who are full-time students will be required to pay only the one-credit-hour fee for private instruction per instrument per semester. All other students, including special students, must pay the prescribed fee in addition to tuition for any private instruction in music.

AUDITING OF COURSES.—Courses are audited with approval of the dean of the college. There will be no charge except laboratory fee to a full-time student for auditing any course. All other students must pay regular tuition and fees for auditing courses, except that persons 65 and over may audit undergraduate courses for one-half tuition and fees.

FINANCIAL REGULATIONS

PAYMENTS—All charges for a semester are due and payable before the first day of classes. A student is registered and eligible to attend classes only after payment or other arrangements have been made with the Business Office.

Any past due accounts for which other arrangements have not been made will be assessed a late charge on a daily basis.

Any accounts due for any preceding semester must be paid before a student will be enrolled for the succeeding semester. The director of records is not permitted to transfer credits until all outstanding indebtedness is paid. No student will graduate unless (s)he has settled all indebtedness, including library fines and graduation fee.

For parents who prefer to meet educational expenses on an installment basis, Millsaps offers the monthly payment services of The Insured Tuition Payment Plan and The Tuition Plan, Inc. For information, write to:

Richard C. Knight Insurance Agency, Inc.
53 Beacon St.
Boston, MA 02108
or
The Tuition Plan, Inc.
Concord, NH 03301

A deferred payment plan may be arranged by written application to the Business Office at least two weeks prior to the beginning of the semester. Upon approval, a $15 processing fee to meet the additional handling costs, plus a daily rate on the unpaid balance, will be included in the following schedule of payments:

50 percent before the first day of classes
25 percent October 1 or March 1
25 percent November 1 or April 1

If a student on the deferred payment plan withdraws after the refund period, the unpaid balance on the account is due and payable in full.

CASHING PERSONAL CHECKS—Personal checks for a maximum of $25 may be cashed in the Business Office and a maximum of $10 in the Bookstore upon proper identification.

RETURNED CHECKS—A charge of $15 will be made for each returned check issued in payment for tuition. There will be a charge of $5 per check for all other returned checks.

REFUNDS—Room rent cannot be refunded after the semester has begun. Unused amounts paid in advance for board are refundable. A student who withdraws with good reason from a course or courses within one week after the date of the first meeting of classes on regular schedule will be entitled to a refund of 80 percent of tuition and fees; within two weeks, 60 percent; within three weeks, 40 percent, and within four weeks, 20 percent. If a student remains in college as long as four weeks, no refund will be made except for board.

The date of withdrawal from which all claims to reductions and refunds will be referred is the date on which the director of records is officially notified by the student of the intention to withdraw. (See regulations relative to withdrawals.)

The college reserves the right to cancel the registration of any student at any time. In such a case, the pro rata portion of tuition will be returned. Students withdrawing under discipline forfeit the right to a refund.

MEAL PLAN—Students living in college or fraternity housing are required to participate in the college meal plan.

STUDENTS ROOMING IN FRATERNITY HOUSES—Rules regarding payment of board and fees applicable to other campus residents will be observed by these students.

REVISION OF CHARGES—Millsaps College reserves the privilege of changing any or all charges at any time without prior notice.

SCHOLARSHIPS AND FINANCIAL AID

Millsaps College grants scholarships and financial aid to students on two bases: academic excellence and financial need. Information may be obtained from the director of financial aid. Financial aid is not available to international students.

In instances of financial need, the amount of aid granted is based on information submitted by the College Scholarship Service of the College Entrance Examination Board. The College Scholarship Service assists in determining the student's need for financial assistance. Students seeking assistance must submit a copy of the Financial Aid Form to the College Scholarship Service, designating Millsaps College as the recipient, by April 1. The Financial Aid Form may be obtained from a secondary school. Millsaps College, or the College Scholarship Service, P.O. Box 2700, Princeton, NJ 08541, P.O. Box 881, Evanston, IL 60204; or P.O. Box 380, Berkeley, CA 94701.

Institutional Scholarships

Children of United Methodist Ministers serving in the conferences of the state of Mississippi receive scholarship aid from the college.

Diamond Anniversary Scholarships recognize achievement and leadership potential as well as academic ability. Sixty to 70 are available each year. Some will be honorary with no financial grants being made. Recipients are selected from applicants proposed by the faculty.

The Foreign Student Scholarship Program supports the Foreign Student Program which attempts to assist foreign students enrolled.

General Scholarships Funds are budgeted each year to help students requiring financial aid.

The David Martin Key Scholarships are granted to promising students who are designated as the Key Scholars and are renewable if academic requirements are met. They are a memorial to Dr. David Martin Key, who served the college as teacher and president.

Leadership Scholarships are awarded to outstanding students with special talent in academic, fine arts, and athletic areas. Selection is based on the merit of the nominee in the field of recommendation as well as test scores, grades, and leadership. These awards are renewable annually.

The Marion L. Smith Scholarships have been authorized by the Board of Trustees in honor of former Millsaps College President Marion L. Smith. They are awarded annually to selected high school seniors on the basis of interviews conducted by faculty members. Marion L. Smith Scholarships are one-year, non-renewable awards. They range in value up to $500 each.

The Tribbett Scholarship is awarded at the end of each session to the member of the sophomore or junior class whose quality index is highest for the year, subject to the following qualifications:

1. Must be a regular student with not less than 32 semester hours' work for the year, and must have made at least C in each of the subjects studied.
2. Must be qualified for work assigned by the president of the college.

United Methodist Ministerial Students annually receive a $1,000 scholarship, contingent upon at least one year's reciprocal service in the ministry of the United Methodist Church.

United Methodist Scholarships provide $500 each for several Methodist students who have ranked in the upper 15 percent of their class.

Endowed and Sponsored Scholarships

The generosity of many individuals, families, corporations, and foundations is directly responsible for the scholarships shown below. If you desire information concerning the requirements of a particular scholarship fund, contact the Director of Financial Aid.

H. V. Allen, Jr., Endowed Scholarship
Allstate Foundation Scholarship Fund
Annie and Abe Rhodes Artz Endowed Scholarship

Burlie Bagley Scholarship Fund
Bell-Vincent Scholarship Fund
J. E. Birmingham Memorial Scholarship Fund
Jesse and Ruth Brent Scholarship
Pet and Randall Brewer Memorial Scholarship Fund
W. H. Brewer Scholarship
Rev. and Mrs. A. M. Broadfoot Memorial
Rev. and Mrs. W. T. Brown, Jr., Memorial Scholarship Fund
Dr. T. M. Brownlee and Dan F. Crumpton, Sr., Scholarship Fund
A. Boyd Campbell Scholarship Fund
Dr. Elbert Alston Cheek and Son Scholarships
Christ United Methodist Church Scholarship Fund
Rev. and Mrs. C. C. Clark Endowed Scholarship Fund
Mrs. J. G. Cobb Scholarship
George C. Cortright, Sr., Scholarship
Dr. and Mrs. J. R. Countiss, Sr., Scholarship
Dr. and Mrs. C. W. Crisler Scholarship
Helen Daniel Memorial Scholarship
Charles W. and Eloise T. Else Endowed Scholarship Fund
Robert L. Ezelle, Jr., Scholarship Fund
Jennye M. Few Scholarship Fund
William B. Fields Scholarship Fund
Josie Millsaps Fitzhugh Scholarship
Bishop Marvin A. Franklin Scholarship Fund
Fraternity Scholarship Award
Irene and S. H. Gaines Scholarship Fund
Galloway Church Bible Class Scholarship
Marvin Galloway Scholarship
John T. Gober Scholarship Fund
N. J. Golding Scholarship Fund
Greater Mississippi Life Scholarship
Clara Barton Green Scholarship
Wharton Green '98 Scholarship
Clyde and Mary Hall Scholarship
Mr. and Mrs. D. H. Hall Scholarship Fund
Maurice H. Hall, Sr., Endowed Scholarship Fund
James E. Hardin Memorial Scholarship Fund
Karim E. Hederi Endowed Scholarship Fund
Nellie Hederi Scholarship Fund
Wilson Hemingway Scholarship
John Paul Henry Scholarship Fund
Herman and Martha Hines Endowed Scholarship Fund
Joey Hoff Memorial Scholarship
Kenneth Thomas Humphries Memorial Scholarship Fund
Jackson Christian Education Association Scholarship
Jackson Civitan Scholarship
Kappa Alpha-Eric Gunn Memorial Scholarship
Rames Assad Khayat Memorial Scholarship
Kimball Student Aid Scholarship Fund

Alvin Jon King Music Scholarship
Norma C. Moore Lawrence Memorial Scholarship Fund
Rev. and Mrs. W. C. Lester Scholarship Fund
Susan Long Memorial Scholarship Fund
Joe B. Love Memorial Loan Fund
Jim Lucas Endowed Scholarship Fund
Will and Della McGehee Memorial Scholarship
James Nicholas McLean Scholarship Fund
Lida Ellsberry Malone Scholarship
Mr. and Mrs. G. W. Mars Scholarship
Robert and Marie May Scholarship Fund
Arthur C. Miller Pre-Engineering Scholarship Fund
Mitchell Scholarship
J. L. Neill Memorial Scholarship
Harvey T. Newell, Jr., Memorial Scholarship
Panhellenic Scholarship
William George Peek Scholarship Fund
Bishop Edward J. Pendergrass Scholarship Fund
J. B. Price Scholarship
Lillian Emily Benson Priddy Scholarship
Kelly Mouzon Pylant Memorial Scholarship Fund
S. F. and Alma Riley Memorial Scholarship
R. S. Ricketts Scholarship
Frank and Betty Robinson Memorial Scholarship Fund
Velma Jernigan Rodgers Award
H. Lowry Rush, Sr., Scholarship Fund
Richard O. Rush Scholarship Fund
Paul Russell Scholarship
Charles Christopher Scott, III, Scholarship Fund
George W. Scott, Jr., Scholarship Fund
Mary Holloman Scott Scholarship Fund
Rev. and Mrs. Lonnie M. Sharp Scholarship Fund
Albert Burnell Shelton Scholarship
William Sharp Shipman Foundation Scholarship Fund
Inez Harvey Silverstein Scholarship
Robert E. Silverstein Scholarship Fund
Janet Lynne Sims Scholarship Fund
Willie E. Smith Scholarship
Dr. Benjamin M. Stevens Scholarship Fund of the Hattiesburg District of the United Methodist Church
E. B. Stewart Memorial Scholarship Fund
R. Mason Stricker Memorial Scholarship Fund
Mike P. Sturdivant Scholarship Fund
Sullivan Memorial Scholarship
Sullivan Geology Scholarship Fund
Sumners Scholars Grants
Teacher Education Scholarship
United Methodist Youth Assistance Scholarship
Dennis E. Vickers Memorial Scholarship

James Monroe Wallace, III, Scholarship
Alexander F. Watkins Scholarship Fund
W. H. Watkins Scholarship
John Houston Wear, Jr., Scholarship
James Thompson Weems Endowed Scholarship Fund
Mary Virginia Weems Scholarship
Dr. Vernon Lane Wharton Scholarship
Milton Christian White Scholarship

Loan Funds

Guaranteed Student Loan Program. Under this program the student will complete the Guaranteed Student Loan Application for the Agency of his or her home state and a Financial Aid Form (and the Guaranteed Student Loan Needs Test, if the family adjusted gross income is over $30,000.00) He/she sends the Financial Aid Form to the College Scholarship Service listing Millsaps as the recipient. The student should send the Guaranteed Loan Application to Millsaps so that the college can complete its portion of this form. Once the student and college officials have completed their portions, the student should then take the completed form to a lender (a Credit Union, Bank, Savings and Loan, and any other lending institution). If the student can not find a lender, he/she should contact the financial aid office at Millsaps. The interest on these loans varies between 7 and 9 percent. If the student qualifies the federal government will pay the interest while the student is in school. The student may borrow in one academic year a sum not to exceed $2500.00 as an undergraduate nor $5,000.00 as a graduate student and no more than $12,500.00 maximum for all undergraduate years nor $25,000.00 maximum for all graduate and undergraduate years combined. Repayment begins between six to 12 months after graduation or withdrawal from school.

The National Direct Student Loan Program. A student may borrow in the first two academic years a total sum not to exceed $3,000 and during the undergraduate course of study a sum not exceeding $6,000. Payment of the loan begins nine months after the borrower has completed or withdrawn from higher education work and will be completed within 10 years and nine months. The interest rate is 3 percent during repayment. Detailed information concerning this loan and application forms can be secured from the director of financial aid at Millsaps.

Other loan funds include:
Coulter Loan Fund
Claudine Curtis Memorial Loan Fund
William Larken Duren Loan Fund
Paul and Dee Faulkner Loan Fund
Kenneth Gilbert Endowed Loan Scholarship
Phil Hardin Loan Fund
Jackson Kiwanis Loan Fund
Graham R. McFarlane Loan Scholarship
J. D. Slay Ministerial Loan Fund
United Methodist Student Loan Fund
George R. and Rose Williams Endowed Loan Fund

Additional Financial Aid Opportunities

Part-time Employment: Students who want part-time work on campus must apply through the Awards Committee. Students seeking employment off campus may contact the Office of Student Affairs.

The College Work-Study Program has been established from funds contributed by the federal government and the college to provide financial assistance through employment.

State Student Incentive Grants are provided by Millsaps, the state of Mississippi and the federal government. These funds are to help qualified students with substantial financial need.

Supplemental Educational Opportunity Grants are provided by the federal

government to provide supplemental grants to other aid to assist in making available the benefits of higher education to qualified students of exceptional financial need who, for lack of financial means of their own or their families, would be unable to obtain an education without such aid.

The Pell Grant was established by the Educational Amendments of 1972 and is funded by the federal government. When the grant is fully funded, each student is entitled each academic year to a grant of $1,800 less family contribution (method of determining this contribution to be set by the commissioner of education), or half the college cost, whichever is less.

3
student life

CAMPUS MINISTRY

Religious life at Millsaps centers around the churches of the city of Jackson and the religious life program coordinated through the campus ministry team. Churches provide communities of faith for students, faculty, and staff. The campus religious life program works to enhance the spiritual growth of members of the community. The emphasis is on the development of values and insights related to one's religious life that are formed by a keen awareness of the world and are shaped by struggling with fundamental questions about the nature of belief and of a religious lifestyle.

To meet these goals, the campus ministry program at Millsaps utilizes as fully as possible the experiences of students in the classroom and in their relationships to their peers, both being situations which raise basic questions about intellectual and spiritual growth and about the link between faith and life. Thus, programs concerning the relationship of faith to issues raised in the classroom are an integral part of the religious life program of the college. Further, such established programs as the Student Symposium and the Friday Forum Series are utilized to provide religious perspectives on critical issues.

Campus ministry at Millsaps is coordinated through the campus ministry team, a group of approximately 35 to 40 students, faculty, and staff persons who plan for the college community. The team has several emphases: human rights issues, the Religious Perspectives Series, the Voluntary Service Program, an Outdoors Events Program, and the Special Ministries Fund Program.

In addition, the Preparation for Ministry Program, designed for persons preparing for professional Christian vocations, attempts to create programs and field work appropriate to the needs of members. The Chapel Series is a program of educational and worship experiences.

The campus ministry program at Millsaps is ecumenical. St. Peter's Catholic Cathedral provides a staff person to the Millsaps campus who works with Catholic students and in the larger life of the college. Intervarsity Christian Fellowship regularly works with a group of students. All programming is ecumenical in terms of participation and resource people.

The Office of the Chaplain serves as a liaison with churches, the United Methodist conferences, and other groups and agencies in the city and state. The chaplain works with students who serve internships with the Methodist Building staff, provides resources for events on and off campus related to various campus ministry concerns, and actively participates in the work of the United Methodist conferences to which the college relates.

PUBLIC EVENTS COMMITTEE

The Public Events Committee receives funds from the student government to sponsor programs of general interest to the campus and community. Its major activity is the Friday Forum Series—a continuing slate of speakers presented each Friday during the academic year. The objective of the series is to provide information and stimulate interest in current issues, to explore historical events, and to present differing perspectives on controversial subjects. Faculty members, local authorities and national experts are invited to present their thoughts on a variety of literary, cultural, scientific, political, religious, and historical topics.

In addition to the Forum Series, the Public Events Committee sponsors special events throughout the academic year. It provides funds to student organizations and academic departments interested in organizing programs open to the entire campus. These include films, guest speakers, and music recitals.

All of these activities have to do with the true aim of liberal education: the liberation of the mind to grasp the world of nature and of human experience and action in all its richness and complexity, and to respond with awareness, sensitivity, concern, and mature judgment.

ATHLETICS

The athletic policy of Millsaps College is based on the premise that athletics exist for the benefit of the students and not primarily to enhance the prestige and publicity of the college.

Competitive sports conducted in an atmosphere of good sportsmanship and fair play can make a significant contribution to the complete physical, emotional, moral, and mental development of the well-rounded individual. They are thus an integral part of a program of liberal education. An attempt is made to provide a sports-for-all program and to encourage as many students as possible to participate.

Intercollegiate

The program for men includes football, basketball, baseball, tennis, and soccer. The women's program includes basketball and tennis.

The programs are conducted on guidelines established by the National Collegiate Athletic Association and the Association of Intercollegiate Athletics for Women of which Millsaps College is a member.

Those who participate in intercollegiate athletics are required to observe and maintain the same academic standards as other students.

Intramural

The program for men provides competition among campus organizations in basketball, volleyball, softball, tennis, and soccer. The program for women includes touch football, volleyball, tennis, basketball, softball, and soccer.

PUBLICATIONS

The Purple and White is the official student newspaper of the college, and its staff is composed of individuals interested in campus journalism. The **P&W** endeavors to provide coverage of all Millsaps events, as well as to serve as a forum for discussion and exploration of ideas.

Now in its seventy-sixth year, the **Bobashela** is the annual student publication of Millsaps College, attempting to give a comprehensive view of campus life. Bobashela is an Indian name for good friend.

Through **Stylus,** the college literary magazine, students interested in creative writing are given an opportunity to see their work in print. The publication comes out twice each year and contains the best poetry, short stories, and essays submitted by Millsaps students.

MUSIC AND DRAMA

The Millsaps Singers

Open by audition to all students, the Singers represent Millsaps in public performances, campus programs, and annual tours throughout the state and other areas of our United States. In recent years the choir has traveled to Colorado; to Washington, D.C.; to Atlanta, to record for the National Protestant Hour; and to Mexico. The choir has sung with the Memphis Symphony Orchestra three times, the Jackson Symphony many times, the Chicago Chamber Orchestra, and the New Orleans Philharmonic. Membership earns two semester hours of activity credit for the year's work.

The 1982-83 concert season included the annual performance of Handel's *Messiah,* a tour of the Southeastern U.S.; a trip to Atlanta to record six broadcasts for the Protestant Hour; and a performance of Mendelssohn's *Elijah.*

The Troubadours

Auditions are held each fall for membership in the Troubadours, a show choir of 14 students selected from the Singers. The Troubadours represent the college at numerous campus, high school, and cultural functions throughout the state. The 1982-83 season included a spring concert celebrating the 20th anniversary of this outstanding group.

The Millsaps Players

The Millsaps Players produce four full-length plays each year. In addition, they present several one-act plays directed by senior theatre majors. Casting for all plays is done by audition, open to all students. Participation in Players productions, either onstage or backstage, earns credit toward membership in Alpha Psi Omega, national honorary dramatics fraternity. Among the major productions staged in recent years are A Cry of Players, Othello, The Matchmaker, Picnic, Hay Fever, Paint Your Wagon, Charley's Aunt, Camelot, Look Back in Anger, Candida, Damn Yankees, Dangerous Corner, The Merchant of Venice, Nude with Violin, The Winslow Boy, Equus, and A Midsummer Night's Dream.

STUDENT ORGANIZATIONS

Student Association

All regularly enrolled students of Millsaps are members of the Student Association. Those taking at least 12 hours or part-time students who pay the Student Association fee have full power of voting. The Millsaps Student Association is governed by the Student Senate, the Student Judicial Council, and the Student Executive Board. The Student Senate is composed of not more than 40 voting members elected from the Millsaps Student Association. Representatives are chosen by petition, with no more than 40 signatures required for any petition. (The Election Committee decides each year how many signatures will be required.) Members of the Student Senate are chosen by the third Tuesday in September and serve their constituency the length of the academic year.

Student Executive Board (S.E.B.) Officers of the Student Senate are elected at large from the Millsaps Student Association. The officers are president, first vice-president, second vice-president, secretary, and treasurer. The officers serve a term beginning and ending on February 1.

Regular student Senate meetings are held during the first week of each month, with special meetings called by the secretary at the request of 1) the president of the Senate, 2) the Senate, 3) seven members of the Senate, 4) the president of the college.

The duties and functions of the Student Senate are to exercise legislative power over those areas of collegiate activity that are the responsibility of students and to speak for the Student Association on all matters of student concern. In addition the Student Senate is responsible for 1) apportioning funds collected by the college as Student Association fees; 2) granting or revoking charters to student organizations; 3) formulating rules of social and dormitory conduct; 4) supervising student elections; and 5) carrying out traditional class responsibilities.

The Judicial Council is composed of eight voting members in addition to the two student alternate members. Members are appointed as follows: two faculty members appointed by the vice president and dean of the college with the approval of the president; one administrative staff member appointed by the president; five student members and two student alternate members appointed by the Student Executive Board and confirmed by the Student Senate. The dean of student affairs serves as the non-voting secretary, and the associate dean of student affairs serves in a non-voting capacity.

The Judicial Council generally has jurisdiction over student disciplinary cases. Limitations of its authority are delineated in the constitution of the Millsaps College Student Association which is printed in the student handbook.

Honor Societies

Alpha Epsilon Delta is an honorary pre-medical fraternity, founded at the University of Alabama in 1926. Leadership, scholarship, expertness, character, and personality are the qualities by which students are judged for membership. Alpha Epsilon Delta strives to bridge the gap between pre-medical and medical schools.

Alpha Eta Sigma is a scholastic and professional accounting fraternity with the following objectives: promotion of the study and practice of accounting; provision of opportunities for self-development and association among members and practicing accountants; and encouragement of a sense of ethical, social, and public responsibility.

Alpha Psi Omega, a national honorary dramatic fraternity, recognizes members of the Millsaps Players for their effective participation in acting, directing, make-up, stage management, costuming, lighting, or publicity. Each year the name of the outstanding graduating senior member of the organization is engraved on a trophy which is kept in the college trophy case.

Beta Beta Beta, established at Millsaps in 1968, is a national honor fraternity for students in the biological sciences. Its purposes are to stimulate sound scholarship, to promote the dissemination of scientific truth, and to encourage investigation of the life sciences. Monthly meetings are held to discuss new ideas, research, and other material pertinent to biology and related sciences. Activites include off-campus field trips and the invitation of nationally prominent lecturers to the campus.

Eta Sigma, scholastic honorary, was re-established on the Millsaps campus in 1957.

Eta Sigma Phi is a national honor fraternity, recognizing ability in classical studies. Alpha Phi, the Millsaps chapter, was founded in December, 1935.

Kappa Delta Epsilon, a professional education sorority, promotes the cause of education by fostering high scholastic standing and professional ideals among those preparing for the teaching profession.

Omicron Delta Epsilon is the international economics honorary society. ODE is dedicated to the encouragement of excellence in economics, with a main objective of the recognition of scholastic attainment in economics. Candidates for election to membership must have an overall scholastic average of at least a B and at least 12 credit hours in economics with a B average or better. Delta chapter of Mississippi was formed at Millsaps College in 1981.

Omicron Delta Kappa is a leadership society with chapters in principal colleges and universities. Pi Circle at Millsaps brings together members of the student body and faculty interested in campus activities, together with a limited number of alumni and supporters who plan for the betterment of the college. Membership in Omicron Delta Kappa is a distinct honor.

Phi Alpha Theta, is an international honor society in history founded in 1921. It now has over 600 chapters in the U.S., Puerto Rico, Canada, and the Philippines. Membership is composed of students and professors, elected on the basis of excellence in the study, and writing of history. It encourages the study, teaching, and writing of history among all its members.

Phi Eta Sigma, is a national honorary society which recognizes outstanding academic achievement in freshmen. The Millsaps chapter was established Dec. 1, 1981. Membership is open to all full-time freshmen who achieve a grade-point average of 3.5 in either the first semester or both semesters of the freshman year.

Pi Delta Phi is a national French honor society which recognizes attainment and scholarship in the study of the French language and literature. Its purpose is to honor those students having earned a minimum of 18 semester hours in French, and who have a high scholastic average in all subjects. Honorary members are chosen from among the faculty, alumni, and townspeople who have a special interest in the activities of this organization.

Schiller Gesellschaft was founded in order to give recognition to those students who have shown excellence in the study of German and in order to provide a forum for the study of all aspects of German civilization.

Sigma Delta Pi, the international Spanish honorary, was established at Millsaps College on Feb. 24, 1968. This honor society recognizes attainment and scholarship in the study of the Spanish language and literature. Membership is open to students with a high scholastic average in all subjects who also possess at least a B average in Spanish. Membership is limited to those having at least three college years of Spanish including a minimum of three hours of literature.

Sigma Lambda is a leadership and service honorary society whose members are selected on the basis of character, scholarship, and involvement in college and community activities. It brings together student leaders from many phases of campus life along with a limited number of faculty members to provide opportunities for service to the Millsaps community and to act as a channel for the exchange of information about campus events and concerns.

Theta Nu Sigma membership is offered to second semester sophomores, juniors, and seniors who are majoring in one of the natural sciences and who fulfill certain specified qualifications. The purpose is furthering general interest in the sciences.

Activity Groups

Deutscher Verein was founded to provide an organization for the informal study of various aspects of German and Austrian cultural life. At Christmas the annual "Weihnachsfest" is a campus tradition.

The Millsaps Black Students Association is designed to stimulate and improve the social and academic atmosphere for black students at Millsaps College.

FRATERNITIES AND SORORITIES

There are five fraternities and four sororities at Millsaps. The fraternities and sororities are all members of well-established national Greek-letter organizations.

The sororities are Chi Omega, Kappa Delta, Phi Mu, and Alpha Kappa Alpha.

The fraternities are Alpha Phi Alpha, Kappa Alpha, Kappa Sigma, Lambda Chi Alpha, and Pi Kappa Alpha.

Policies governing sorority and fraternity life are formulated through the Panhellenic Council and the Interfraternity Council.

Alpha Phi Alpha is an associate member of the college Interfraternity Council. Alpha Kappa Alpha is also an associate member of the college Panhellenic Council.

At the end of rush week these organizations offer "bids" to the students whom they have selected. Eligibility for membership in sororities and fraternities is governed by the following regulations:

A. General Conditions

1. Only bona fide regular students (carrying at least 12 academic hours) may be pledged.
2. A student may not be pledged to a fraternity or sorority until official registration for classes has been cleared by the Office of Records.
3. Each social organization shall secure a letter of scholastic eligibility of its prospective initiates from the Director of Records prior to the initiation ceremonies.
4. Only persons who are bona fide students at Millsaps at initiation time can be initiated.

B. Scholastic Requirements

1. To be eligible for initiation, a student must have earned in his most recent semester of residence as many as 24 quality points, and in the same semester as many as 12 semester hours of academic credit, and must not have fallen below D in more than one subject.
2. A student who drops a course after the end of the half semester shall receive an F for sorority or fraternity purposes as well as for academic averages.
3. The two terms of summer school combined shall count as one semester for sorority or fraternity purposes.

MEDALS AND PRIZES

The Albert Godfrey Sanders Award in French is given to a student in intermediate French on the basis of academic excellence in the language and for general interest and contributions in the dissemination of French culture and civilization. The award is intended to encourage students on the intermediate level to continue their studies in the field of French literature, and it carries with its honor a certificate of excellence and a handsome volume, devoted to some aspect of French culture, donated by the Cultural Services of the French Embassy in New York.

The Albert Godfrey Sanders Award in Spanish has the same purpose and qualifications for the student in intermediate Spanish as the A. G. Sanders Award in

French has for students of that language. The award, in addition to the honor conferred, consists of a certificate of excellence and a handsome volume devoted to some aspect of Spanish culture.

Alpha Epsilon Delta Award. The local chapter of Alpha Epsilon Delta, a national society for pre-medical and pre-dental students, awards annually a certificate of merit to the most outstanding member of the society in the graduating class.

The Alpha Psi Omega Award, the Millsaps Players Acting Awards, the Millsaps Players/Haines Award for Scenery, and The Mitchell Award are given each year to those students who are outstanding in dramatics.

Analytical Chemistry Award. This award is sponsored each year by the Millsaps College Department of Chemistry and the American Chemical Society, Division of Analytical Chemistry, and is awarded to the most outstanding undergraduate in analytical chemistry.

Awards in German. Each year, through the generosity of the West German Federal Republic and the Republic of Austria, the Department of German presents appropriate book prizes to students showing excellence in the German language and literature.

The Beta Beta Beta Award. The Beta Beta Beta Chapter recognizes annually an outstanding member of the chapter who has demonstrated scholastic excellence and outstanding service in the field of biology.

The Biology Award. The Department of Biology recognizes annually an outstanding member of the graduating class whose major is biology.

The Biology Research Award. The Department of Biology recognizes annually a biology major who has won recognition in biology on the basis of interest, scholarship, and demonstration of research potential.

Black Students Association Awards. The BSA recognizes annually the outstanding female and male black students on the basis of academic achievements and contributions to the organization.

The Bourgeois Medal is awarded annually to the freshman, sophomore, or junior who has the highest quality index for the year. Such student must be a candidate for a degree, and must have taken a minimum of 30 semester hours of college work during the year in which the medal is awarded. No student can win this medal a second time.

The C. Wright Mills Award in Sociology. This award is given each year to the outstanding senior majoring in sociology.

The Charles Betts Galloway Award for the best sermon preached by a ministerial student of Millsaps College is presented on Commencement Sunday. This annual award, established by the Galloway family in honor of the late Bishop Galloway, is a medal.

The Chi Chi Chi Award. The local chapter of Chi Chi Chi, a chemistry honorary, each year gives an award to the outstanding graduating senior in chemistry.

Chi Omega Award. Chi Omega sorority, seeking to further the interest of women in the social sciences, presents an award of $25 to the girl having the highest average for the year in the field of history, political science, psychology, sociology, economics, or other courses in the social sciences.

The Clark Essay Medal is awarded annually to that student who presents the best and most original paper in an English elective course.

Computer Science Award. The Computing Center presents an award annually to the student who has the outstanding achievement in computer science.

The Magnolia Coullet Senior Award is given annually to that senior who has best demonstrated excellence in and love for classical studies.

The Deutscher Verein Award is made to a member of this organization for his or her outstanding contribution during the current school year.

The Eta Sigma Phi Awards are made to the students with the highest scholastic averages in Latin and Greek.

The Freshman Mathematics Award is made annually by the Department of Mathematics of Millsaps College to the most outstanding freshman in mathematics.

The Founders' Medal is awarded annually to the senior who has the highest quality index for the entire college course and has received a grade of Excellent on the com-

prehensive examination. Only students who have done at Millsaps College all the work required for the degree are eligible for this award.

General Chemistry Award. The Chemistry Department presents annually to the student with the highest scholastic average in general chemistry a handbook of chemistry and physics.

The General Physics Award. The Physics Department presents annually to the two students with the highest scholastic averages in general physics the "Handbook of Physics and Chemistry."

The Henry and Katherine Bellamann Award in the creative arts is a cash award and is intended to recognize the achievements of the student doing the most outstanding work in one of the creative arts—in writing, in composing, or in one of the graphic arts.

The Lambda Chi Alpha Award is given annually to that faculty member who has contributed most to understanding life and ideals set forth by the college.

The Mathematics Major Award is made annually to three majors. Each recipient is given a year's membership in the Mathematical Association of America.

The Mississippi Society of Certified Public Accountants' Award, a specially designed medal, is presented to the student majoring in accountancy who has shown superior achievement in accounting courses.

The Pendergrass Medal is awarded at Commencement to the outstanding senior student who plans to enter the pastoral ministry of the United Methodist Church and to enter seminary to prepare for this responsibility.

The President John F. Kennedy Award. The Political Science Department established the President John F. Kennedy Award to be given to the outstanding senior graduating in political science who has demonstrated qualities of excellence in academic career, personal integrity, and commitment to the highest ideals.

Velma Jernigan Rodgers Scholarship Award. Inaugurated this year, the Velma Jernigan Rodgers Scholarship Award will be presented each year at Commencement to the rising senior woman student who has the highest grade point average in the Humanities. The award was established in 1982 by Mrs. Rodgers, a long-time friend and benefactor of the college, and is intended to encourage study in one of the areas in the Humanities.

Ross H. Moore History Award. This award is given annually to the outstanding senior history major in recognition of Dr. Moore's distinguished service to Millsaps College for more than 50 years.

Schiller Gesellschaft Prize. The Schiller Gesellschaft offers an award annually to the graduating senior who is distinguished in the study of German.

The Janet Lynne Sims Award is a medal and $500 stipend presented annually to a full-time student majoring in pre-medicine who has completed four semesters of work. Selection is made on the basis of academic excellence. The award was established in 1977 in memory of Miss Sims by her parents, Mr. and Mrs. T. Stanley Sims, and her friends. Miss Sims would have been a member of the 1977-78 freshman class at Millsaps.

Theta Nu Sigma awards annually a certificate to the member of the graduating class who has done outstanding work in the natural sciences.

The Wall Street Journal Award is made annually by the Wall Street Journal of New York to the outstanding senior student majoring in the field of economics, accounting, and business administration.

The West Tatum Award is made annually to the outstanding pre-medical student selected by the faculty.

4
curriculum

REQUIREMENTS FOR DEGREES

1. Requirements for All Degrees

A total of 124 hours is required for the Bachelor of Arts, Bachelor of Science, Bachelor of Business Administration, and Bachelor of Science in Education degrees; 120 hours for the Bachelor of Liberal Studies degree; and 128 hours for the Bachelor of Music degree.

Of this total, 120 (124 for the B.M. degree) must be letter graded academic hours excluding activity courses* but including core requirements and major requirements. The only exception is that a maximum of six hours in the internship program may be graded on a credit/no-credit basis.

Credit by examination, where there is a score that can be entered on the student's record, is treated as letter-graded credit subject to the limitations stated in the section on Advanced Placement and Credit by Examination.

Of the remaining hours, a minimum of one hour of a Physical Education activity course must be included.

*An activity course is defined as an approved, faculty-supervised physical, intellectual, or cultural activity available to the student outside the regular classroom offerings. Such courses (currently offered in music, physical education and theatre) are designated by the symbol A before the course number.

2. Core Requirements for All Degrees:

MAN AND HIS CULTURE

Literature . . . . . 6 Hours
English 201-202 or World Literature 203-204

Fine Arts . . . . . 3 Hours
Art 101-102, 104-105, 210, 220, 230, 201-202, 320
Music 101-102, 111-112, 121-122, 215, 251-252
Theatre 103-104

Religion and/or Philosophy . . . . . 6 Hours
Any religion or philosophy course for which the student qualifies (three hours of which must be in religion).

MAN AND HIS WORLD

Laboratory Science . . . . . 8 Hours
Biology 111-112, 121-122
Chemistry 121-123, 122-124
Geology 101-102
Natural Science 101-102
Physics 111-112 or 131-132 in addition to 151-152

Mathematics . . . . . 6-8 Hours
A minimum requirement of:
Mathematics 103-104 for the B.A., B.M. and B.S. Ed. degrees only
Mathematics 107-108 or 115-116 for any degree.
Note: Certain majors require a specific sequence. See departmental requirements.

MAN AND HIS SOCIETY

Historical Man (Person) . . . . . 6 Hours
History 101-102, World History, Ancient History

Economics, Political Science, Psychology and Sociology . . . . . 6 Hours
Any course in the disciplines of anthropology, economics, political science, psychology and sociology for which the student qualifies (excluding Economics 201-202 for students pursuing the B.B.A. degree).

Physical Education* ..... 1 Hour
*Physical Education is not required for the B.L.S. degree.

ENGLISH COMPOSITION

Freshmen are required to take one of the three programs in English composition, i.e., English 101-102, 103-104, or 105. B.S. Ed. candidates are required to take English 101-102. B.L.S. candidates may substitute Liberal Studies 100.

HERITAGE PROGRAM

Heritage, an interdisciplinary program designed for freshmen, fulfills the following requirements:

Literature	(6 Hours)
Fine Arts	(3 Hours)
Religion	(3 Hours)
Philosophy	(3 Hours)
History	(6 Hours)

3. Additional Requirements for Bachelor of Arts and Bachelor of Music Degrees:
Proficiency at the intermediate level (202) of a foreign language ..... 6-12 Hours
Philosophy ..... 3 Hours

4. Additional Requirements for the Bachelor of Science Degree:
Two additional one-year courses in the natural sciences to be chosen from:
Biology 111-112, 121, 122 ..... 8 Hours
Chemistry 121-123, 122-124 ..... 8 Hours
Geology 101-102 ..... 8 Hours
Mathematics 223-224, 225-226 ..... 6-10 Hours
Natural Science 101-102 ..... 8 Hours
Physics 111-112 or 131-132 in addition to 151-152 ..... 8 Hours
The distribution of the total science requirement for the B.S. degree must include courses in three disciplines from the above list.

5. Additional Requirements for the Bachelor of Business Administration Degree:
B.B.A. Core
Accounting 281-282 ..... 6 Hours
Business Administration 220 or 221, 275, 321, 333, 334, 336, 362 and 399 ..... 24 Hours
Economics 201-202 ..... 6 Hours
Computer 100, 110, or 272 ..... 1-3 Hours
Philosophy 311, Ethics, is highly recommended for students pursuing the B.B.A. At least 51 hours must be earned in courses offered by the School of Management and at least 51 hours must be earned outside the School of Management.
A grade of C or better is required in each of the B.B.A. core courses.
The B.B.A. is required for accounting and business administration majors.
Coursework at the 300-level or above may be taken only by students who have completed at least 60 semester hours.

6. Additional Requirements for the Bachelor of Science in Education Degree:
Physical Education 332 ..... 3 Hours
Speech ..... 3 Hours
Science ..... 1 Hour

7. Additional Requirements for the Bachelor of Liberal Studies Degree:
Liberal Studies 100 ..... 3 Hours
Philosophy or Religion ..... 3 Hours
Proficiency at the intermediate level in a foreign language or computer language ..... 6-12 Hours

8. Residence Requirements:

To qualify for graduation from Millsaps, 30 of the last 36 hours of academic work must be done in residence as a degree-seeking student. The three exceptions allowed to this rule are: (1) pre-engineering dual-degree program students may transfer back as many as 31 hours, (2) students who have been approved for the prescribed pre-medical technologist program may take the last 26 hours at the affiliated institution and (3) students leaving to enter graduate or professional school may transfer back the final 26 hours of work (in this case, however, residence will be required at Millsaps for the second semester of the junior year and the first semester of the senior year).

9. English Proficiency Requirement:

Before receiving a bachelor's degree each student is required to demonstrate proficiency in English composition and usage by passing an examination given by the English Department. It consists of a 500-word essay written extempore within two and one-half hours on a subject selected from a list furnished at the examination. Students who made grades of A or B on English 101-102, 103-104, or 105 at Millsaps are exempted from this examination.

The examination is given by the English Department twice in the academic year. The regular administration is on the second Thursday in November from 4 to 6:30 p.m. A special administration of the examination is given on the second Thursday in March from 4 to 6:30 p.m. to seniors who hope to graduate but who have not passed the Junior English Proficiency Examination. Seniors who fail the special examination and who think they have compelling cause may petition the dean of the college for an extraordinary administration of the examination in the summer session following. If the dean grants the petition, he may also stipulate that the student must audit English 101-102 during the summer session.

All rising juniors, transfer students at the junior and senior levels, and seniors who failed the examination in their junior year must be present for the November administration of the proficiency examination.

Each student who fails the examination in November is assigned to a member of the English Department for remedial instruction.

10. Majors:

In addition to taking the prescribed work for the degree, the student must major in one of the following areas: accounting, art, business administration, biology, chemistry, church music, computer studies, economics, education, English, French, geology, German, history, mathematics, music, philosophy, physics, political science, psychology, religion, sociology, Spanish, or theatre. For students pursuing the B.L.S. degree an interdisciplinary major is also possible with the consent of the appropriate departments.

Specific requirements for the major can be found under the appropriate department of instruction. Students may be permitted to major in a subject only after careful consideration and with the consent of the chairman of the department.

A major for each student must be approved by one of the department chairmen not later than the beginning of the junior year. The student must complete the proper forms in the Office of Records.

All work to be applied toward the major must be approved by the department chairman or the student's major professor.

A student may have more than one major by completing the requirements in the departments involved.

11. Minors:

While there is no requirement that students complete a minor as a part of their degree, they may elect a minor in those departments which offer one.

Ordinarily a student must have a minimum of 12 hours in a department beyond what is used to meet degree requirements in order to qualify for a minor. A minimum of 8 hours toward the minor must be taken at Millsaps. Specific requirements for a particular minor can be found under the appropriate department of instruction.

12. Comprehensive Examinations:

Before receiving a bachelor's degree the student must pass a satisfactory comprehensive examination in the major field of study. This examination is given in the senior year and is intended to cover subject matter greater in scope than a single course or series of courses. The purpose of the comprehensive examination is to coordinate the class work with independent reading and thinking in such a way as to relate the knowledge acquired and give the student a general understanding of the field which could not be acquired from individual courses.

The comprehensive examination requires at least three hours and is part written and part oral, the division of time between the two to be at the discretion of the members of the department concerned. The oral examination will be conducted by a committee composed of members of the department, and, if desired by the department, one or more members of the faculty from other departments or other qualified persons.

A student may take the comprehensive examination only if the courses in which (s)he has credit and in which (s)he is currently enrolled are those which fulfill the requirements in the major department. (S)he may take the examination in the spring semester if (s)he will be within 18 hours of graduation by the end of that semester. The examination will be given in December or January for students who meet the other requirements and who will not be in residence at Millsaps during the spring semester.

The time of the comprehensive examination given in the spring semester is about mid-April of each year. Comprehensive examinations will not be given during the summer except by permission of the dean. Those who fail a comprehensive examination may have an opportunity to take another examination after the lapse of two months. Additional examinations may be taken at the discretion of the chairman of the student's major department with the consent of the dean of the college.

13. Quality Index Required:

A minimum of 240 quality points is required for the B.A., B.S., B.B.A., B.L.S., and B.S. Ed. degrees; 248 for the B.M. degree. An overall quality point index of 2.00 is required of all students. Transfer students must have at least a quality point index of 2.00 on their Millsaps work. The index is always calculated on the total number of academic hours attempted; however, an exception to the rule of hours attempted is allowed in instances where courses are repeated at Millsaps. (See Section Grades, Honors, Class Standing.)

14. Application for a Degree:

Each student who is a candidate for a degree is required to submit a written application for the degree by November 1 of the academic year of graduation. This date will apply also to students who plan to complete their work in the summer session. Forms for degree applications are to be secured and filed in the Office of Records.

15. Requirements for a Second Degree:

In order to earn a second degree from Millsaps College a student must have 30 additional semester hours of work beyond the semester hours required for the first degree, and these additional hours must include all of the requirements for both the second degree and the second major.

16. Required Sequence of Courses for All Regular Students:

Freshmen students shall enroll in the appropriate course in English composition (unless exempt by examination) and in at least one other prescribed course as listed in the Core Curriculum or the Additional Degree Requirements.

Sophomore students shall enroll in at least two prescribed courses as listed in the Core Curriculum or the Additional Degree Requirements.

Enrollment in the required language courses will begin not later than the first semester of the junior year. It is recommended that language be started in the freshman or sophomore year. Those freshmen who, by virtue of previous study, plan to satisfy the language requirement taking courses at the intermediate level only, are strongly advised to being such courses in the freshman year while their experience in the language chosen is recent.

PRE-MEDICAL AND PRE-DENTAL

It is the responsibility of the pre-medical and pre-dental students to consult the catalogs of the schools to which they wish to apply for their specific requirements. The following courses are required by many medical and dental schools.

Biology 121-122 . . . . . 8 hours
Chemistry 121-123, 122-124 . 8 hours
Chemistry 231-233, 232-234 . 10 hours
English 101-102 . . . . . 6 hours
Mathematics 115-116 . . . . . 8 hours
Physics 111-112 or 131-132 in addition to 151-152 . . . . . 8 hours

The student is urged to consult with a member of the Pre-medical Advisory Committee (Al Berry, George Beardsley, Robert Bergmark, Robert Kahn, James McKeown and Edmond Venator) in designing a program that will fit particular needs, background and interest.

Millsaps College and many medical and dental schools strongly recommend that the student obtain a baccalaureate degree in an area of interest. This catalog should be consulted elsewhere for the exact major and degree requirements. Millsaps and most medical and dental schools also strongly recommend that the student develop a sound background in the humanities and social sciences.

Some medical and dental schools will not accept credit in laboratory science courses obtained by C.L.E.P. or advanced placement tests. If the student plans to obtain such credit, he should first consult the medical or dental schools in which he has an interest to be certain that the school will accept such credit.

The student should remember that the requirements listed in a medical or dental school catalog are minimal but that (s)he should obtain maximum preparation. In general, the student who is weak in some science, as shown by performance in introductory college courses, is urged to take further work in that science to prepare adequately. The student should also utilize limited time in taking courses that will not be available during professional training. The following courses are recommended as electives by many medical and dental schools.

Biology (251, 301, 381, 383, 391 or 315)
Chemistry (251-253, 264-266 or 363-365, 364-366)
English (201-202 or 203-204)
Economics and Business Administration
Foreign Language (reading knowledge)
History (101-102)
Mathematics (223-224 or 225-226)
Philosophy
Physics (301, 306, 311, 315, or 316)
Psychology
Sociology

The Heritage Program gives the student a more flexible schedule and time to take additional courses of interest and need.

PREPARATION FOR MINISTRY

A program for students planning for or interested in exploring a form of professional Christian ministry

Millsaps College has enjoyed a tradition of close involvement with students from all denominations and faiths—particularly from The United Methodist Church—whose vocational goal or interest was a form of professional Christian ministry. The Preparation for Ministry Program is designed to offer a wide variety of experiences for persons who have decided on or would like to explore some form of Christian ministry as a personal vocation. The specific purposes of the program are as follows:

a. To encourage personal growth in relation to self and other persons.
b. To explore meanings and forms of ministry and to encourage openness to the many ways that the Christian Gospel speaks to human beings and their worlds.

c. To keep students closely in touch with the resources and personnel of their denomination or faith, and to serve as a liaison with key administrative persons of these bodies.

d. To support students who wish to explore some form of professional ministry as a possibility for themselves.

e. To assist students in developing a vision for their own ministry.

f. To involve students in various types of competency training relevant to professional ministry.

g. To provide a supportive, encouraging community for students planning for or interested in professional ministry.

The Preparation for Ministry Program provides a basic link between the college and the conference/diocese/presbytery or other structure to which a student is responsible. In the case of United Methodists, the program is a supplement to the candidacy program. This program is also a clearinghouse for student employment in various capacities in congregations or church agencies. Participation by United Methodist students is obligatory for receiving the ministerial grant.

The following is the format for the program on a four-year basis:

First Year: Exploration of personal motivations for professional ministry through a variety of personal interviews, group sessions and programs; building relationships with other participants; exploring meanings and forms of ministry through interviews, programs, and field trips.

Second Year: Personal growth experiences through two weekend personal growth seminars (one each semester) focused on self-development, assessment of style of working with people and interpersonal relations, with continuing emphasis on the development of one's personal vision of ministry, and with optional personal growth experiences growing out of these seminars; experiences designed to expose students to working situations (church school classes, youth ministry programs, etc.); training in knowledge and skills for particular tasks, with options according to previous experiences and interests, in areas such as education, music, youth ministry, group dynamics, planning process, and other areas to be designated as the need arises.

Third Year: Internships to be developed in consultation with the student in order to fit his or her interest. (Internships will carry academic credit in the Department of Religion and will include careful goal-setting, supervision, and reflection); consultations as preparation for seminary choice and enrollment.

Fourth Year: Further skill training; seminar based on personal growth, need assessment and goal setting.

Special arrangements will be made for persons who transfer in after the first or second years of their college work and for persons with special circumstances.

The coordinator for the Preparation For Ministry Program will be the chaplain to the college, assisted by the Department of Religion and two pre-seminary students. These persons will work with an advisory committee which will include the deans of students, the academic dean, the director of church relations, representatives of the supervising pastors of the two United Methodist conferences in Mississippi, representatives of denominations or faiths other than United Methodist, chairpersons of the Board of Ordained Ministry, and other students who are interested in or planning for some form of professional Christian ministry. All incoming students who will receive the ministerial grant or who would like to explore Christian ministry as a personal vocation may secure a flyer and enroll in the program in the Department of Religion or the Office of the Chaplain.

PRE-LAW

No particular major or sequence of courses is necessary for students planning to go to law school; there is no ideal pre-law program for all students. To do well in the study of law, a student should possess:

(a) ability to communicate effectively and precisely

(b) critical understanding of the human institutions with which the law deals

(c) creative power in thinking.

Different students may obtain the desired training in these three areas from different courses. Therefore, students should consult with their faculty or major advisers and with the pre-law adviser in designing a program of courses that will best fit particular needs, background, and interests. The student with a pre-law interest should consult the pre-law adviser, John Quincy Adams, from time to time.

PRE-SOCIAL WORK

Students who wish to prepare for a professional career in social work should plan a broad liberal arts program with a major in one of the social sciences. Introductory courses in sociology, psychology, and social work are essential. Other courses which are strongly recommended include Social Problems, Theories of Personality, and Social Psychology. Internships can provide valuable practical experience with community social welfare agencies. Students are urged to consult with their faculty advisers to plan a schedule.

EDUCATIONAL CERTIFICATION PROGRAMS

TEACHER EDUCATION

Millsaps offers a Bachelor of Science in Education Degree with majors in elementary education and health/physical education. The elementary major will be certified for kindergarten through the eighth grade, while the physical education major will be certified for kindergarten through the twelfth grade. Secondary certification may be obtained by majoring in a specific subject area and completing the required education courses.

It is the responsibility of the student at both the elementary and secondary levels to coordinate courses for certification with requirements for graduation from Millsaps.

At all levels students have an opportunity to do laboratory work in both the public and private schools.

In addition to the courses required for degrees by Millsaps College, the courses listed below are specific requirements needed to qualify for the Class A Elementary Certificate and the Class A Secondary Certificate.

ELEMENTARY EDUCATION PROGRAM

The requirements for certification include all elementary education courses in the departmental listing.

SECONDARY EDUCATION PROGRAM

All students receiving certification in secondary education must complete all existing Millsaps requirements for either the B.A. or the B.S. degree. In addition the following courses must be completed.

General Education (15 hours):	**Sem. Hrs.**
Science (in area, physical or biological, not taken in core requirements)	3
Education 301 and 221 (Career Education and Survey of the Exceptional Child)	6
Health 332 (Consumer Health)	3
Speech (any Speech class)	3
Total	15

Professional Education (27 hours):	
Education 215 (Reading in the H.S.)	3
Education 352 (Educational Psychology)	3
Education 207 (Adolescent Psychology)	3
Education 372 (Principles of High School Teaching)	3
Education 362 (Secondary Methods)	3
Education 452 (Directed Teaching in Field)	12
Total	27

Specialized and Professional Education in Grades 7-12

Bible: (Old Testament, New Testament, Comparative Religion) 24

English

English 301-302 (American Literature) . . . 3
English 201-202 (English Literature) . . . 3
English 365-366 (Shakespeare) . . . 3
English 397 (Advanced Grammar and Effective Writing) . . . 3
History of English Language . . . 3
Survey of Contemporary Literature . . . 3
English Electives . . . 12
Foreign Language . . . 12
Total . . . 42

Foreign Language

No set course requirements—Maximum requirement for French, Spanish, and German . . . 24

Mathematics:

Math 115-116 . . . 8
Math 223-224; Math 225-226 (Calculus II) . . . 6
Math 325, 426 (Calculus III or Linear Algebra) . . . 3
Math 361 (Modern College Geometry) . . . 3
Math 335 (Applied Probability and Statistics) . . . 3
Three of the following for a total of nine semester hours . . . 9
Math 325-326 (Calculus III or IV)
Computer 100, 110, 210, 271, 272 (Basic Computer Science)
Math 345 (Abstract Algebra)
Math 103-104 (Foundations of Math)
Math 391-392 (History of Math)
Math 391-392 (Number Theory)
Math 391-392 (Foundations of Analysis)
Total . . . 32

Social Studies **Sem. Hrs.**

History 101-102 or Heritage 101-102 (World or European History) . . . 6
History 201-202 (American or U.S. History) . . . 6
History 308 (Mississippi History) . . . 3
Economics 201, 202, 303, or 304 (Economics) . . . 6
Political Science 101-102 (Political Science) . . . 6
Physical Geography 101, Historical Geography 102 (substitutes for Physical Geography S105 and Economic Geography S205) . . . 6
Sociology 101 (Sociology) . . . 3
Electives in Social Studies (Offered in the Departments of History, Economics, Political Science, Sociology and Geology) . . . 9
Total . . . 45

Science

Total semester hours required per endorsement . . . 32
Biological Science . . . 32
Chemistry . . . 32
Earth Sciences . . . 32
General Science . . . 32
(Chemistry three hours: Physics three hours)
Physics . . . 32
Second major area requires 32 hours of science, 16 of which must be in the area of specialization.

Specialized and Professional Education in Grades K-12

Art **Sem. Hrs.**

Art for Children . . . 3
Drawing . . . 6
Painting . . . 6
Art History . . . 6

3-D Art . . . 3
Basic Design . . . 3
Applied Design . . . 3
Crafts . . . 3
Total . . . 33

Music

General:

Music 101-102, 201-202, 303-304 (Theory) . . . 12
Music 251-252, 381-382 (Music History and/or Literature) . . . 6
Music 362, 341 (Conducting) . . . 3
Music Electives (Choose from 251-252, 381-382) . . . 3
Education 323 (Music for Children) . . . 3
Total . . . 27

Music Education Endorsement in Vocal or Keyboard:

Vocal:

Voice . . . 16
(Music 111-112, 121-122, 211-212, 221-222, 311-312, 321-322, 411-412, 421-422)
Piano . . . 8
(Music 425-435, 331-332, 441-442)
Other Instruments (Music 342) . . . 2
Total . . . 26

Keyboard:

Piano and/or Organ (Minimum of four semester hours in piano)
Music courses as listed above under voice . . . 16
Voice . . . 8
Other Instruments (Music 342) . . . 2
Total . . . 26
Total Semester Hours Required . . . 53

HEALTH AND PHYSICAL EDUCATION PROGRAM

Specialized and Professional Education	**Sem. Hrs.**
Education 215 (Basic Reading)	3
Education 352 (Educational Psychology)	3
Education 207 (Human Growth and Development)	3
Physical Education 305 (Elementary Education)	
Physical Education 304 (Secondary Education) (Principles and Methods in Area of Endorsement)	6
Education 301 (Career Education)	3
Education 221 (Survey of the Exceptional Child)	3
Total	21

Health

HPE 332 Consumer Health (to include education in drugs, alcohol, tobacco, and junk foods)	3
Sociology 301 (Marriage—Family Living and Sex Education)	3
HPE 205 (First Aid)	3
Total	9

Physical Education

HPE 302 (Motor Development and Movement Education K-6)	3
HPE 210 (Rhythms K-12)	3
HPE 405 (Test and Measurements K-12)	3
HPE 305 (Physical Education for the Exceptional Child)	3
HPE 311 (Individual and Team Sports 7-12)	3
Biology 235 (Anatomy and Physiology 7-12)	3
Biology (Physiology of Exercise)	3
HPE (Electives)	6
Education (Internship—Student Teaching)	12
Total	39
TOTAL HOURS	69

COOPERATIVE PROGRAMS

ENGINEERING

This program at Millsaps offers many opportunities for the student interested in engineering.

3-2 Engineering B.S. Program: At present we have arrangements with five engineering schools—Auburn, Columbia University, Georgia Tech, Vanderbilt University and Washington University—by which a student may attend Millsaps for three years for a total of 93 hours or more and then continue work at any of the schools listed above, transferring back 31 hours or less for a B.S. degree from Millsaps and at the end of the fifth year receive the engineering degree from the engineering school.

4-2 Master's Program in Engineering: Columbia University also has a 4-2 program in which a student attends Millsaps for four years completing degree requirements and then spends two more years at Columbia to obtain a master's degree in engineering.

The Combined Plan Program offers degrees in aerospace science and engineering, civil engineering, computer science, electrical engineering, engineering mechanics, environmental science and engineering, industrial and management engineering, mechanical engineering, mining engineering, nuclear engineering, ocean engineering, applied geophysics, engineering mathematics, applied physics, flight science, materials science, operations research, plasma physics, solid state science, bioengineering, chemical engineering, chemical metallurgy, metallurgical engineering, mineral engineering, engineering biology, and applied chemistry.

The Dual Degree Program at Auburn University offers bachelor of engineering degrees in aerospace, chemical, civil, electrical, industrial, materials and mechanical engineering. It is also possible to obtain a Bachelor of Science in agricultural engineering.

The Dual Degree Program of Georgia Institute of Technology offers degrees in aerospace, ceramic, chemical, civil, electrical, industrial, mechanical, nuclear, and textile engineering. In addition, degrees are offered in economic systems, engineering science, textile chemistry, textiles, applied biology, chemistry, information and computer science, applied mathematics, physics, applied psychology, behavioral management, economics, general management, industrial management, and management science.

Vanderbilt University offers bachelor of engineering degrees in chemical, civil, electrical, and mechanical engineering.

MEDICAL TECHNOLOGY

Millsaps College offers a three-year program for those who plan to enter schools of medical technology. This college work includes not only the necessary science and mathematics courses, but also courses in history, fine arts, sociology, composition, literature, and other subjects which ensure a liberal arts experience for pre-medical technology students.

Millsaps College maintains a formal affiliation with several schools of medical technology which are approved by the Council on Medical Education and Hospitals of the American Medical Association. This is the only qualifying board recognized by the American Medical Association, the American Society of Clinical Pathologists, the American College of Surgeons, the American Hospital Association, and other authoritative medical groups.

The medical technology student is expected to spend the first three years at Millsaps College (or transfer here from another recognized college, with at least the third year spent in residence here) and the senior year at the approved hospital. The student must complete the general requirements for the B.S. degree with a major in biology.

Students enrolled in affiliated schools of medical technology may transfer back the final 26 hours of work. The courses required for registry are accepted as completing the requirements of 124 semester hours for graduation. The B.S. degree is awarded at the first commencement exercise following the completion of the medical technology training.

Medical technology students are encouraged to secure the B.S. or B.A. degree before entering an approved school of medical technology.

SPECIAL PROGRAMS

The Honors Program

The Honors Program provides an opportunity for students of outstanding ability to pursue an advanced course of study which would ordinarily not be available. In the spring of their junior year honors students participate in an interdisciplinary colloquium which intensively examines a topic of broad interest. In the senior year, students carry out a research project on a subject of their choice. This thesis is presented before a panel of faculty members at the end of the senior year. Students successfully completing all phases of the Honors Program receive the designation "with honors" in their major subject at graduation. Students interested in participating in the Honors Program should consult with their advisers in the fall of their junior year.

The Oak Ridge Science Semester

Under this program, sponsored jointly by the Southern College University Union and by the Department of Energy, a Millsaps student may spend the spring semester of the junior or senior year studying and doing research at Oak Ridge National Laboratory, Oak Ridge, TN. A full semester's academic credit is normally earned. The student technically remains an enrollee of Millsaps College for the purpose of scholarships and loans, which are not affected by participation in the program.

The Washington Semester

"The Washington Semester" is a joint arrangement between The American University, Washington, D.C., Millsaps College, and other colleges and universities in the United States to extend the resources of the national capital to superior students in the field of the social sciences. The object is to provide a direct contact with the work of governmental departments and other national and international agencies that are located in Washington, thus acquainting the students with possible careers in public service and imparting a knowledge of government in action.

Under this arrangement qualified students of demonstrated capacity from the participating colleges will spend a semester at the School of Government and Public Administration of The American University in Washington. They earn 16 hours of credit toward graduation in their home colleges. Eight hours are earned in a Conference Seminar, in which high-ranking leaders of politics and government meet with students. Four hours are earned in a research course which entails the writing of a paper by utilizing the sources available only at the nation's capital. And four hours are earned in an Internship, in which the student is placed in a government or public interest organization office. In Washington the program is coordinated by faculty members of The American University.

Millsaps has a guaranteed quota of two students for each spring semester, although students may petition for entry in the fall. Second semester sophomores, juniors, or seniors are eligible.

The student technically remains an enrollee of Millsaps College for the purpose of scholarships and loans, which are thus not diminished by participation in the program.

The United Nations Semester

A cooperative program with Drew University in Madison, NJ, enables Millsaps political science majors to spend a semester making a firsthand study of the work of the United Nations. Participants may earn 15 hours of credit toward graduation. Three hours of credit are earned in a Conference Seminar, which meets two days of each week in the United Nations Plaza. Members of the Secretariat, delegates, and special agency representatives often lead discussions in a planned program of studies. Students also earn three hours of credit by engaging in an individual research project on some phase of the United Nations. The remaining hours of credit are electives taken from the regular course offerings of Drew's liberal arts college.

The student technically remains an enrollee of Millsaps College for the purpose of scholarships and loans, which are thus not diminished by participation in the program.

The London Semester

Another cooperative program with Drew University gives upperclass political science majors the opportunity to study in London, England, for a semester. Fifteen hours of

credit are earned in the social sciences, with primary emphasis on political science. The faculty, including a resident director from Drew, includes members of the faculty of the London School of Economics and Political Science, Oxford University, Leeds University, and other outstanding schools. Students live in a residential hotel in the heart of London. Provision is made for an optional pre-fall or post-spring tour of the continent at a modest cost.

The student technically remains an enrollee of Millsaps College for the purpose of scholarships and loans, which are thus not affected by participation in the program.

British Studies at Oxford

Millsaps College in cooperation with seven other colleges in the Southern College and University Union sponsors a six-week intensive summer program at Oxford University in England. It enables students to study a particular period of British history in a thoroughly integrated way and in a milieu which affords an incomparable opportunity to benefit from the experience. Up to six hours of credit may be earned through this program. Limited financial aid is available.

International Political Economy in London

A six-week summer program based in London and focusing on challenges of the multinational economy was recently instituted under the auspices of the Southern College and University Union. It provides an opportunity to study in an integrated way the social, economic, and political facets of contemporary international problems while observing at firsthand the operations of a major financial center. Up to six hours of credit may be earned through this program. Limited financial aid is available.

Other Study Abroad Programs

Millsaps College maintains cooperative arrangements with the Junior Year Abroad program at the Institute for American Universities at Aix-en-Provence in France. Other study abroad programs are available in most countries of Western Europe as well as in Latin America. Students interested in receiving college credit for such study may receive information concerning these programs from the chairman of the appropriate department or from the dean of the college.

Legislative Intern Program

When the Mississippi Legislature is in session, selected political science students may participate in an internship program which permits them to observe the state lawmaking process. Students serve as aides to legislators and legislative committees, performing a variety of tasks such as research, writing, and marking up bills. Students also take part in a seminar with other interns to examine the legislative process. See Political Science 452.

Public Administration Internship

With the cooperation of city, state, and federal agencies, students who have had the introductory public administration course may be placed in middle management level positions.

School of Management Intern Programs

Students have the opportunity of obtaining specialized training and practical experience through an established Internship Program. The program involves prominent regional and national business organizations and an agency of the federal government. The student's training is conducted and supervised by competent management personnel according to a predetermined agenda of activities. Evaluation of the student's participation and progress provides the basis for granting appropriate academic credit. See offerings 451-452 in the School of Management.

Small Business Institute

Students apply theory to practice by consulting small business management in the area. The program is sponsored by the Small Business Administration (S.B.A.), an agency of the federal government. Students should register for Administration 490.

Millsaps-Gulf Coast Research Laboratory Cooperative Program

Students at Millsaps College, especially those in the natural sciences, are permitted to enroll for one or more of the following courses at the Gulf Coast Research Laboratory as a part of their regular program of studies. The laboratory is situated near Ocean Springs, 180 miles south of Jackson. Summer work at the laboratory provides firsthand knowledge of both marine and brackish water environments.

G141 Introduction to Marine Zoology (ZO 141)* ..... (4)
G331 Physical Marine Geology (GEO 331)* ..... (3)
G332 Chemical Marine Geology (GEO 332)* ..... (3)
G341 Marine Botany (BOT 341)* ..... (4)
G361A Marine Invertebrate Zoology (ZO 361A)* ..... (6)
G361B Marine Invertebrate Zoology (ZO 361B)* ..... (6)
G362 Marine Vertebrate Zoology and Ichthyology (ZO 362)* ..... (6)
G451 Introduction to Physical & Chemical Oceanography (OCE 451)* ..... (5)
G452 Marine Microbiology (MIC 452)* ..... (5)
G461 Parasites of Marine Animals (ZO 461)* ..... (6)
G463 Estuarine and Marsh Ecology (ZO 463)* ..... (6)
G480 Gulf Coast Summer Research in Marine Science ..... (3-12)

*denotes Gulf Coast Research Laboratory course number.

For further information regarding these courses contact the G.C.R.L. coordinator on campus.

ADULT DEGREE PROGRAM

The Adult Degree Program was established in 1982 to meet the needs of adults 24 years of age and older who, because of work or family responsibilities, cannot attend college in the traditional way. Students admitted to the Adult Degree Program are candidates for the Bachelor of Liberal Studies degree.

This program features individualized academic advising, a required introductory seminar for adults returning to college, evaluation of previous college work, credit for prior learning, and an opportunity for independent directed study. Students in the Adult Degree Program may elect to major in one of the traditional disciplines or they may choose to design an interdisciplinary major.

In addition to its academic programs, Millsaps provides a variety of special services for adult students. These include child care, career planning and placement assistance, financial aid, information sessions, and a regular monthly newsletter.

For further information about the Adult Degree Program, see the **Guidelines and Procedures Handbook**.

THE GRADUATE PROGRAM

Master of Business Administration

The evening Master of Business Administration (M.B.A.) program has been established at Millsaps in response to requests from the business and non-profit communities in the Jackson area. Although designed primarily to meet the needs of part-time students, sufficient coursework is offered every semester to allow full-time graduate students some flexibility in planning a curriculum of study. A typical class includes men and women with a broad range of ages, and with backgrounds from engineering, the physical and social sciences, the arts and the humanities as well as from business. The following foundation courses may be taken at the undergraduate level: Accounting 281-282; Business Administration 220, 275, 321, 333, 334, 362; and Economics 201-202.

For further information about the MBA Program, see the **Graduate Catalog.**

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administration of the curriculum

GRADES, HONORS, CLASS STANDING

The grade in any class is determined by the combined class standing and a written examination. The examination is approximately one-third of the grade for the semester.

"A" represents superior work.
"B" represents above the average achievement.
"C" represents an average level of achievement.
"D" represents a level of achievement in the regularly prescribed work of the class below the average in the same relationship as "B" is above the grade.
"E" represents a condition and is changed to a "D" if the grade in the other semester of the course is "C" or above, providing that the "E" precedes the higher grade on the student's record.
"F" represents failure to do the regularly prescribed work of the class. All marks of "D" and above are passing marks and "F" represents failure.
"WP" indicates that the student has withdrawn from the course while passing, and "WF" means withdrawal while failing.
"I" indicates that the work is incomplete and is changed to "F" if the work is not completed by the end of the following semester.
"CR" represents passing work in a non-graded course taken for hourly credit (not computed in G.P.A.).
"NC" represents no credit in a non-graded course taken for hourly credit (not computed in G.P.A.).

Quality Points

The completion of any academic course with a D shall entitle a student to one quality point for each semester hour; a grade of C for the semester shall entitle a student to two quality points for each semester hour; a grade of B for the semester shall entitle a student to three quality points for each semester hour, and a grade of A shall entitle a student to four quality points for each semester hour. A quality point index is determined by dividing the total number of quality points by the number of academic hours taken. The change from a 3.00 to a 4.00 quality point index was made in 1968.

Class Standing

The following number of hours and quality points is required:

For sophomore rating	24 hours;	24 quality points
For junior rating	52 hours;	72 quality points
For senior rating	90 hours;	144 quality points

A student's classification for the entire year is his/her status at the beginning of the fall semester.

Student Status

Degree-seeking students taking 12 or more academic hours will be classified as full-time students. Students taking fewer than 12 academic hours may not represent the college in extracurricular activities.

Degree-seeking students taking fewer than 12 academic hours will be classified as part-time students.

A special student is a mature person of ability and seriousness of purpose who enrolls for limited academic work and does not plan to seek a degree. The category of "special student" is not intended to include recent high school graduates. Special students observe the same regulations concerning attendance, examination and proficiency as regular students.

Credit/No Credit Grade Option

Some courses have been approved to be graded either by letter grade or by credit/no credit grading. The purpose of credit/no credit grading is to encourage students to take courses in areas they might not otherwise select. Credit/no credit grading requires full participation of the student in all class activities. Credit signifies work of passing quality or above. It will not carry quality points nor be included in the G.P.A. Students are reminded that (except for certain internship programs) courses graded by the credit/no credit option do not count toward fulfilling the 120 (124 for the B. M. degree) letter-graded hours requirement and cannot be used to fulfill core requirements or major requirements.

When grade option is available, it will be incumbent upon the student to make the choice at the time of registration. Any change in grading option must be made within the drop-add period. (Exception: Theatre activity may be added later with appropriate approval.)

Repeat Courses

A student may enroll in a course at Millsaps which has previously been taken. The highest grade earned in that course will be used in determining the cumulative quality point average. However, all grades reported for the course remain a part of the permanent record. This policy applies only to courses originally taken at Millsaps during or after spring semester 1973 and to courses originally taken at other institutions during or after fall semester 1980.

Graduation With Distinction

A student whose quality point index is 3.2 for the entire course shall be graduated Cum Laude; one whose quality point index is 3.6 and who has a rating of excellent on the comprehensive examination shall be graduated Magna Cum Laude; and one whose quality point index is 3.9 and who has a rating of excellent on the comprehensive examination shall be graduated Summa Cum Laude.

To be eligible for graduation Cum Laude, Magna Cum Laude or Summa Cum Laude, a student must have passed at least 60 academic semester hours in Millsaps College. Distinction or special distinction may be refused a student who, in the judgment of the faculty, has forfeited the right.

In determining eligibility for distinction or special distinction for students who have not done all their college work at Millsaps, the quality points earned on the basis of grades made at other institutions will be considered, but the student will be considered eligible only if (s)he has the required index both on the work done at Millsaps and on college courses as a whole.

Graduation With Honors

A full-time student with junior standing who has an overall quality point index of 3.0 may apply to the department chairman for permission to declare as a candidate for honors. Admission requires acceptance by the chairman and approval by the Honors Council. Entrance into the Honors Program becomes effective in the spring semester of the junior year.

Honors Program

The Honors Program extends over three semesters. A student admitted will in the second semester of the junior year enroll with the honors adviser in a directed study entitled Honors I (Colloquium). Enrollment in Honors II and III (Research) will ordinarily follow in the fall and spring semesters of the senior year. A letter grade will be given for each of these courses. The three semesters of honors work are intended to culminate in an honors paper presented to the Honors Council and defended before an examining board.

The first semester in the Honors Program consists of an Honors Colloquium designed to bring together for intellectual exchange all students in the Honors Program. The aim of the Honors Colloquium is the total involvement of good minds in the exchange of ideas and values centering around selected themes and areas of investigation of mutual interest to all disciplines. The Honors Colloquium is required of all students in the Honors Program.

A candidate who completes the honors work satisfactorily, who presents and defends the honors paper satisfactorily, who has a 3.0 overall quality point index, and who has a 3.33 index in honors work will be graduated with Honors. A candidate who has a 3.6 overall quality point index, who has a 4.0 index in honors work and who has presented a superior honors paper will be graduated with High Honors.

A student may voluntarily withdraw the candidacy for honors at any time. Students enrolled in honors courses are, however, bound by the general college rules for dropping a course and for receiving course credit. Candidacy may be involuntarily terminated at any time upon the recommendation of the honors adviser and with the approval of the Honors Council.

Dean's List

Those meeting these requirements are on the Dean's List:

1. Scholarship:
   (a) The student must carry not less than 12 academic hours during the semester on which the scholastic average is based.
   (b) The student must have a quality point average of 3.2 for that semester.
   (c) The student must have no mark lower than a C for that semester.
2. Conduct:
   The student must be, in the judgment of the dean, a good citizen of the college community.

Hours Permitted

Fifteen academic semester hours is considered the normal load per semester.

No student may take more than 17 semester hours of academic work unless s(he) has a quality index of 2.5 on the last semester. No student may take more than 19 semester hours unless (s)he has a quality point index of 3.00 on the last semester and obtains permission from the dean. No student may receive credit for more than 21 hours in a semester under any circumstances. In order to be classified as a full-time student, one must take no fewer than 12 semester hours.

ADMINISTRATIVE REGULATIONS

Schedule Changes

A freshman may not enroll for more than eight hours of laboratory science courses in any one semester except upon the recommendation of the student's adviser.

No student can be registered for courses in another college while being enrolled at Millsaps without the written permission of the dean of the college or the associate dean of the college.

A student cannot change classes, drop classes or take up new classes except by the consent of the faculty adviser. Courses dropped within the first two weeks of a semester do not appear on the student's record. Courses dropped after the first two weeks and no later than one week after the reporting date for mid-semester grades are recorded as W.P. (withdrawn passing) or W.F. (withdrawn failing). Courses dropped after this time are recorded as F. If a student drops a course without securing the required approvals, (s)he receives an F.

Withdrawal

A student desiring to withdraw within any term must obtain permission from the dean or associate dean of the college and file a withdrawal card. No refund will be considered unless this written notice is procured and presented to the Business Office.

Refunds will be made only as outlined under Financial Regulations.

A student who withdraws with permission after the first two weeks of a semester is recorded as W.P. (withdrawn passing) or W.F. (withdrawn failing) in each course. A student who withdraws without permission receives a grade of F in each course.

Enforced withdrawal may result from habitual delinquency in class, or any other circumstance which prevents the student from fulfilling the purpose for which (s)he should have come to college.

The college reserves the right to cancel the registration of any student. In such a case, the pro rata portion of tuition will be returned, except that students withdrawing under discipline forfeit the right to a refund.

No student who withdraws is entitled to a grade report or to a transcript of credits until (s)he has settled accounts in the Business Office.

Academic Suspension

To remain in college a freshman must pass in the first semester six hours of academic work. After the first half-year a student must pass at least nine hours of academic work each semester to continue in college. Furthermore, the maximum number of semesters a student may be on academic probation without suspension is two.

Students who are requested not to re-enter because of academic failure may petition in writing for re-admission, but such petition will not be granted unless convincing evidence is presented that the failure was due to unusual causes of a non-recurring nature and that the student will maintain a satisfactory record during the subsequent semester. However, such a student may attend the summer session at Millsaps without a petition.

Academic Probation

Students who pass enough work to remain, but make in any semester a quality index of less than 1.5 will be placed on probation. Restricted attendance privileges apply for all courses in which students are enrolled.

Students may be removed from probation by making a 2.00 quality index during a regular semester or during a summer session at Millsaps College in which the student is enrolled for at least 12 academic hours credit. A student is asked not to re-enroll at Millsaps College if (s)he is on academic probation for two semesters.

Unsatisfactory Academic Progress

A part-time student who makes a quality index of less than 1.5 in any semester will be notified that he or she is making unsatisfactory academic progress. To be removed from that classification the student must make a 2.0 quality index during a regular semester or summer session.

Class Attendance

Irregular attendance indicates that the student may be having difficulties adjusting to the course or to college. The primary responsibility for counseling students with respect to their absence rests with the faculty member; but, in the following circumstances, the faculty member is expected to report in writing the student's unsatisfactory attendance record to the Office of Records.

1. For a freshman—whenever the total absences are equal to twice the number of class meetings per week.
2. For any student—
   a. When (s)he has been absent three successive class meetings for reasons unknown to the instructor.
   b. Whenever a student's absence is such that (s)he is in danger of failing the course.

This reporting of absences is for counseling purposes only, and has no effect on the student's grade.

Individual faculty members decide the manner and extent to which absences alone will affect a student's grade. Each faculty member is expected to outline the policy in writing to each class at the beginning of the semester. This may extend to dismissal from the course with a grade of "F" for reasons solely of absence.

Absences are excusable only by the individual faculty member, but an excused absence does not excuse the student from being responsible for the course work. Explanation for a student's absence provided by a parent, medical doctor, or a member of the faculty or administration may be helpful to the faculty member, but such explanations are not in themselves excuses. This is particularly important in the case of absences involving missed examinations, late assignments, laboratory sessions and similar scheduled commitments. Faculty members, however, may not excuse students from attendance on the two days preceding and the two days following vacation periods without the express permission of the dean.

Each student is responsible for knowing general attendance policy of the college and the particular policies operative in each class. Further details relating to attendance are in the student handbook.

Permission to make up an examination or alter the time for an examination may be granted only through the vice president and dean of the college. Any special examination, if granted, must be held no later than the sixth week of the next regular semester. A $10 fee will be charged for such an examination, except at the discretion of the vice president and dean of the college in cases of serious illness at the time of the examination. This fee will become a part of the scholarship fund.

A student who has been excluded from a course by recommendation of the instructor may, if (s)he wishes, petition the vice president and dean of the college **within one week** for the privilege of a reinstatement examination. This examination, to be prepared and administered by the instructor, shall cover the work of the course up to that date. A $10 fee will be paid to the Business Office for this privilege, with the fee going to the scholarship fund. Re-entry shall depend upon the examination results. If a student does not petition for re-entry, or if the re-entry is denied, the grade shall be recorded as F.

Exemptions

Students may elect to be exempt from final examinations in the semester in which they complete their comprehensive examinations, but only in those courses in which they have a C average or better. It shall be understood, however, that this exemption does not ensure the student a final grade of C, since daily grades during the last two weeks shall count in the final average. Under no circumstances may a student be exempt from any examination in more than one term or semester.

Students may be exempt from final examinations only in the semester in which they complete their comprehensive, scholastic requirements being met.

Seniors may be allowed one special examination in any subject taken and failed in the senior year. Permission for such examination must be secured from the dean or associate dean of the college. Students may request exemption from other requirements by petition to the dean of the college.

Student Behavior

Millsaps students are expected to act with honesty and integrity in personal, social, and academic relationships, and with consideration and concern for the community, its members, and its property. The Board of Trustees and the administration affirm the right of the individual to the privacy of his room. The use of intoxicating beverages is not a part of, nor does it contribute to, the total educational emphasis of Millsaps College. The use, possession, or distribution of intoxicants, narcotics, or dangerous drugs, such as marijuana and LSD, except as expressly allowed by law, is not permitted. The Board of Trustees does not approve of the use of alcoholic beverages in any public area of the campus. For the purpose of the statement, a public place is defined as any part of the campus which is not within the confines of the student's room. Gambling is not permitted on campus.

Disciplinary Regulations

Students guilty of serious infractions of college regulations may be placed on social probation, disciplinary probation, suspension or expulsion at the discretion of the Judicial Council, the dean of student affairs or the president of the college dependent upon the original jurisdiction. Cases involving a recommendation of suspension or expulsion are automatically appealable to the president of the college.

Social Probation

Social probation is a warning to a student or to a campus organization regarding acceptable standards of conduct. Its primary purpose is to provide a period of time for the student or campus organization to demonstrate responsible conduct by college standards.

Disciplinary Probation

Disciplinary probation is the most serious penalty, short of suspension and expulsion, that can be incurred by a student. During a period of disciplinary probation any further infraction of college regulations will render the student liable to suspension.

Disciplinary Suspension and Disciplinary Expulsion

Suspension is a decision to temporarily separate a student from the college.

Expulsion is a decision to permanently separate a student from the college.

A more comprehensive statement of college policy regarding student behavior is contained in the student handbook. Specific regulations pertaining to residence halls and other facets of campus life are available through the Student Affairs Office.

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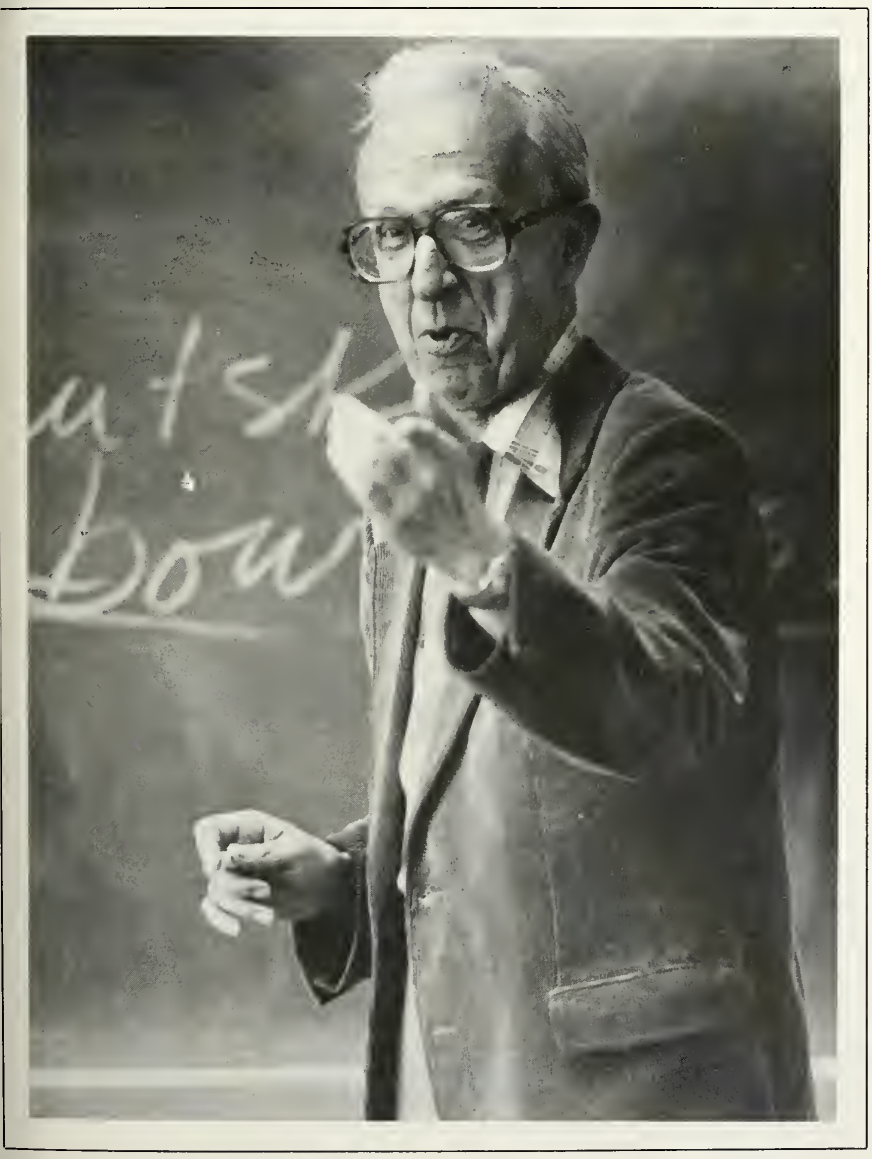
departments of instruction



ACADEMIC DIVISIONS

The academic program of the college is organized into six academic divisions, including the School of Management. These divisions are: Fine Arts, Humanities, Language and Literature, Science and Mathematics, Social and Behavioral Sciences, and School of Management. Within these divisions are the academic departments and programs through which the curriculum of the college is administered.

Course offerings, together with major and minor requirements, are listed by department and division. Interdisciplinary courses are listed under a separate heading following the divisions. Departmental listings can be found on the following pages:

	page
Accounting	90
Art	53
Biology	68
Business Administration	91
Chemistry	70
Classical Studies	59
Computer Studies	71
Economics	92
Education	79
English	64
Geology	73
History	61
Interdisciplinary Studies	88
Mathematics	75
Modern Languages	66
Music	54
Philosophy	62
Physics	76
Political Science	82
Psychology	83
Religion	63
Sociology	85
Theatre	57

EXPLANATION OF NUMBERS AND SYMBOLS

Courses 101-198	Primarily for freshmen.
Courses 201-298	Primarily for sophomores.
Courses 301-398	Primarily for juniors and seniors. (advanced, or upper-division courses)
Courses 401-498	Special departmental courses.
Courses 501-698	Graduate courses.

Courses represented by odd numbers are normally taught during the fall semester; even-numbered courses, during the spring semester.

"G" indicates courses offered at the Gulf Coast Research Laboratory.
"S" indicates courses offered in summer only.

Fine Arts

ART

Associate Professor: **LUCY WEBB MILLSAPS, M.A., Acting Chairman**
Visiting Instructor **RICHARD KELSO, Jr., M.F.A.**

Requirements for Major: Majors in art must complete the requirements for the Bachelor of Arts Degree. In the B.A. core Aesthetics (Philosophy 321) is required of all art majors. There is a required core of art courses that all art majors must take: Design 101 and 102, Drawing 104, 105, and 206; Painting 210; Ceramics 220; Printmaking 230; and Art History 201, 202, and 303. In addition to the 33-hour core, nine hours of advanced art courses must be taken of which six hours is the senior project. The senior project and participation in a senior exhibition are requirements for graduation.

101-102. Design (3.3). Basic two-dimensional design principles and color theory with problems in composition.

103. Three dimensional Design (3). Three-dimensional design with an introduction to sculptural techniques. Prerequisite: 101-102 or consent of instructor.

104-105. Drawing (3-3). Introduction to drawing using lines and tone to model still life objects, the figure, and the landscape.

201-202. Art History (3-3). An illustrated lecture course surveying the visual and plastic arts from pre-historic to contemporary times.

206. Drawing (3). Advanced problems in drawing the figure employing varied and mixed media. Prerequisite: 103, 104 or consent of instructor.

210-211. Painting (3-3). Oil and acrylic painting. The materials and properties of painting, methods of presentation, and composition. Prerequisite: consent of instructor.

220-221. Ceramics (3-3). Pottery making. First semester hand building and glazing; second semester, wheel production.

230-231. Printmaking (3-3). Relief and intaglio printing with emphasis on woodcut. Prerequisite: consent of instructor.

303. Art History (3). Three hours in a specialized area of Art History.

305. Lettering (3). Experience in constructing and organizing the basic letter forms.

310-311. Commercial Design (3-3). Commercial design, illustration and layout relating to advertising and publications. Prerequisite: 101, 102, 104, 105, 210 or consent of instructor.

312. Painting (3). Advanced problems in painting. Prerequisite 210-211 or consent of instructor.

320. Creative Photography (3). Experimental photography with both commercial and artistic application.

322. Ceramics (3). Advanced problems in production, glazing, and problems in kiln building.

330. Silkscreen Printmaking (3). A basic silkscreen printmaking with both commercial and artistic applications. Prerequisites: 101, 102, 104, 105, 230.

332. Printmaking (3). Emphasis on individual problems in printmaking employing the intaglio process. Prerequisite: 230-231 or consent of instructor.

401. Museumship (3). A course offered in cooperation with the Mississippi Art Association and the Municipal Art Gallery in which students develop knowledge of the working of a gallery. Prerequisite: consent of instructor.

405-406. Independent Study (1-3 — 1-3). Open only to approved students.

410. Commercial Art Internship (3). A course in which the student works for a local firm under the supervision of the Art Department. Prerequisite: consent of instructor.

420-421. Senior Project (3-3). A course in which the senior produces a body of work to be evaluated for his or her graduation. This work is the source for the senior exhibition.

MUSIC

Professor Emerita:	**MAGNOLIA COULLET, B.M., A.M.**
Professor:	**JONATHAN M. SWEAT, A.Mus.D., Chairman**
Associate Professor:	**DONALD D. KILMER, M.M.**
Assistant Professors:	**McCARRELL L. AYERS, M.M.** **WILLIAM P. CARROLL, M.M.** **FRANCIS E. POLANSKI, M.M.** **HARRYLYN SALLIS, M.M.**

Requirements for Major: Students majoring in music may apply for either the Bachelor of Music or the Bachelor of Arts degree.

Bachelor of Music: The degree of Bachelor of Music with a major in piano, voice or organ may be earned. The minimum credit required is 128 semester hours. Bachelor of Music candidates are required to give a full recital in each of their final two years of study. An upper divisional examination in the student's performance area is required at the end of the sophomore year. This examination may not be taken until the student is either enrolled in or has completed Theory 202. A comprehensive examination is required during the senior year.

Bachelor of Arts: The degree of Bachelor of Arts with a major in piano, organ, voice, music education, or church music may be earned. An upper divisional examination in the student's performance area is required at the end of the sophomore year. This examination may not be taken until the student is either enrolled in or has completed Theory 202. A comprehensive examination is required during the senior year. Students desiring teacher certification should consider state requirements. A senior recital is required and must be given while the student is registered for senior level applied music.

Requirements for Minor: A student may elect a music minor in piano, voice, organ or the orchestral instruments. The course requirements are Music 101-102, Music 251-252 and 10 hours in the instrument, culminating in one half-hour recital. A student may also minor in church music. The course requirements are Music 101-102, Music 251-252, Music 315-316, Music 341 or Music 362, and six hours in the instrument. No solo recital is required.

GENERAL REQUIREMENTS

All students studying applied music must attend weekly repertoire classes, all recitals presented by the Music Department, and take an examination before the faculty at the end of each semester.

All keyboard majors are required to do accompanying each semester, either a singer, an instrumentalist, or one of the vocal ensembles.

PIANO REQUIREMENTS

To enter the four-year degree program in piano, the student must have an adequate musical and technical background. (S)he should be able to play all major and minor scales. (S)he should have had some learning experience in all periods of the standard student repertory, such as the Bach Two-Part Inventions, the Mozart and Haydn Sonatas, the Mendelssohn Songs Without Words, and the Bartok Mikrokomos.

For students whose principal performing instrument is not piano or organ, a piano proficiency examination is required. The student must perform acceptably, from memory, the following material (or its equivalent in styles and difficulty): the major and minor scales, a Bach two-part invention, a movement from a classical sonatina, a romantic and a contemporary work of moderate difficulty. The student's ability at sight-reading will be tested. Until the student passes the piano proficiency examination, (s)he must study piano each semester.

Candidates for the B.M. or B.A. must have one semester of piano pedagogy and one semester's internship in piano pedagogy. They must also fulfill repertory and technical requirements specified by the department.

ORGAN REQUIREMENTS

To enter the four-year degree program in organ, the student must have completed sufficient piano study to play the Bach Two-part and Three-part Inventions, Mozart and Beethoven Sonatas, and compositions by Chopin, Schumann, Mendelssohn, and Bartok. The student should also be able to play all major and minor scales and arpeggios.

Candidates for the B.M. or B.A. degree must have one year of voice study, directed study in organ literature and the techniques of playing for religious services, and console conducting.

VOICE REQUIREMENTS

To enter the four-year degree program in voice, the student must possess above average talent and evidence ability to sing with correct pitch, phrasing, and musical intelligence. (S)he should know the rudiments of music and be able to sing a simple song at sight. (S)he should have experience in singing works from the standard repertory.

Voice candidates for the Bachelor of Music degree must obtain 18 hours in foreign languages to be chosen from at least two of the following: French, German, Italian. Candidates for both the B.M. and B.A. degrees will be required to have a basic piano proficiency.

MUSIC EDUCATION

Students electing the music education major will receive a Bachelor of Arts degree, not the Bachelor of Music.

CHURCH MUSIC

Students electing the church music major will receive a Bachelor of Arts degree. The program of 117 total hours is designed to equip the church musician with a variety of skills so as to meet the demands of the contemporary church. Along with the core requirements for all degrees, the church music major carries additional requirements in music (53 hours), religion (18 hours), and education (six hours). An internship is also a part of the program.

Music Theory

101-102. Basic Theory (4-4). Harmonic part-writing, sight-singing and dictation, and keyboard harmony. Three lecture hours and two laboratory hours per week.

201-202. Intermediate Theory (4-4). Harmonization of chorales, modulation, altered chords, advanced sight-singing, harmonic dictation, and keyboard harmony. Three lecture hours and two laboratory hours per week. Prerequisite: 101-102.

303-304. Advanced Theory (4-4). First semester includes: harmonic and structural analysis of basic musical forms and study of advanced musical forms. The second semester is the study of polyphony of the eighteenth century, the writing of canon and fugue, and free counterpoint in contemporary styles. Four lecture hours per week. Prerequisite: Intermediate Theory, 201-202.

Music Literature

215. Music Appreciation (3). (For non-majors). The literature of music as an important aspect of Western culture.

251-252. Music Literature (2-2). An introduction to music history and music literature with special emphasis on aural comprehension of form, style, period, and composer. Open to non-music majors with consent of instructor.

381-382. Music History (3-3). Music from antiquity to 1750, first semester, and from 1750 to the present, second semester. Prerequisite: Music Literature 251-252.

401. Directed Study (1-3). Designed to correlate work studied and to prepare the student for graduate study. Research and projects pertaining to the student's major interest.

Church Music

315-316. Church Music Literature (2-2). Sacred music from antiquity to the present. Organization and administration of the church music program is included. Open to non-music majors on consent of the instructor. **Offered in alternate years.**

361. Service Playing and Repertory (2). Open to advanced organ students. **Offered in alternate years.**

362. Console Conducting (2). Includes detailed study of anthems, accompanying, and directing the choir from the console. Open to advanced organ students. **Offered in alternate years.**

Music Education

323. Music in the Elementary School (3). Teaching of music for classroom teachers. Same as Education 323. **Offered in alternate years.**

333. Music. Grades 1-6 (3). Administration and teaching of music; a comparative survey of current teaching materials. Prerequisite: Music 101-102.

335. Music in the Secondary School (3). Administration and teaching of music at the secondary school level. A comparative survey and study of materials and texts. May be taken in lieu of Education 362. Prerequisite: Music 101-102.

341. Choral Conducting (3). Conducting, scorereading, rehearsal techniques, and diction for singers. **Offered in alternate years.**

342. Instrumental Ensemble (2). Fundamentals of string, woodwind, and brass instruments, including training methods and materials.

425-426. Piano Pedagogy (2-3). A basic course emphasizing techniques and materials used in teaching piano to children and older students in both private and class instruction. **Offered in alternate years.**

440. Directed Observation and Student Teaching in the Elementary School. Same as Education 430 or 440. Prerequisite: Music 333.

452. Directed Observation and Student Teaching in the High School. Same as Education 452. Prerequisite: Music 335.

491-492. Internship (1 to 3—1 to 3). Practical experience and training in piano teaching or working in the music program of a church.

Applied Music

Courses are designed by the first letter of the instrument, followed by the proper number from the following table:

Freshman 111-112; 121-122; Sophomore 211-212, 221-222; Junior 311-312, 321-322; Senior 411-412, 421-422. One or two lessons per week. One or two hours credit each semester.

181-182; 281-282. (1). Class instruction in voice or piano to a minimum of four students who meet for two hours per week.

331-332 (3-3). One hour lesson per week plus special instruction culminating in a junior recital.

441-442 (4-4). One hour lesson per week plus special instruction culminating in a senior recital.

The 300 level may be achieved only by satisfactory completion of the upper divisional examination.

Additional semesters on each level will be designated by successive numbering, i.e., 113, 114, etc.

Choir

Students are admitted to the Millsaps Singers (choir) by audition. One hour credit is given per semester.

Freshmen A133-A134; Sophomore A233-A234;
Junior A333-A334; Senior A433-A434.

THEATRE

Professor: **LANCE GOSS, A.M., Chairman**
Assistant Professor: **RALPH N. TRAXLER, M.P.A.**

Requirements for a major in Theatre: 30 hours to include Theatre 103-104, 141-142, 203-204, 205-206, 305-306, 395-396, 402.

Requirements for a minor: A student may elect a minor in Theatre with the following courses: Theatre 103-104, 203-204, 205-206, and two hours of Performance.

SPEECH

101. Speech Fundamentals: Public Speaking (3). Each student delivers a minimum of five addresses which deal with progressively more difficult material and situations. Emphasis on development of correct breathing, proper pronunciation, accurate enunciation, and an effective platform manner. Individual attention and criticism.

102. Speech Fundamentals: Oral Reading (3).

THEATRE

103-104. Introduction to Theatre (3-3).

131-132 (Freshman), 231-232 (Sophomore), 331-332 (Junior), 431-432 (Senior). Performance. Practical experience in production by the Millsaps Players. The first two semesters may be taken simultaneously with Theatre 103-104. One hour per semester to a total of eight hours.

141-142. Theatre Movement (1-1). Includes classical ballet barre, pantomime, exercises, basic dance steps, and general movement.

151. Introduction to Arts Management (3). Examination of the administrative aspect of the live entertainment industry. Organizations considered will include theatre, opera, dance, symphony, and one-night formats.

S171-S172. Summer Workshop (3-3). Includes acting, production, and performance techniques. Experience in summer production by the Millsaps Players.

203-204. Production I, Introduction to Theatrical Production (3-3). Emphasis on basic stagecraft, lighting, properties, and sound.

205-206. Acting (2-2). Basic principles of acting in modern plays, first stemester; second semester, acting in pre-modern drama. Prerequisite: Theatre 103-104. **Offered in alternate years.**

225. Stage Makeup (2). Offered in alternate years.

301. Greek Drama (3). The theatre of ancient Greece.

303-304. Production II, Scene Design and Stage Lighting (2-2). Prerequisite: 203-204.

305-306. The History and Literature of the Theatre (4-4). Prerequisite: Theatre 103-104. **Offered in alternate years.**

312. Theatre in America (3). American theatre since 1900. Prerequisite: Theatre 305-306. **Offered in alternate years.**

325. Stage Management (2). The role of the stage manager in the modern theatrical production. Prerequisite: 103-104.

337. Modern Drama. See English 337.

365-366. Shakespeare. See English 365-366.

395-396. Directing (2-2). Covers all facets of the director's role. Prerequisite: 103-104. **Offered in alternate years.**

402. Directed Reading (2). A seminar for theatre majors including independent study, research, and reports. Designed to cover areas of special interest not necessarily included in other courses.

451-452. Internship (3-3). Practical experience in scenery and/or lighting with the Mississippi Authority for Educational Television. Prerequisite: Theatre 303-304 and consent of instructor. (Offered in summer sessions only.)

Humanities

CLASSICAL STUDIES

The Alfred Porter Hamilton Chair of Classical Languages
Associate Professor: RICHARD FREIS, Ph.D.
Assistant Professor: CATHERINE RUGGIERO FREIS, Ph.D., Chairman

Courses have been set up: 1.) to give students taking their language requirements a firm basis in grammar and an introduction to the literature; 2.) to provide a firm foundation for those students who wish some knowledge of Latin or Greek to help them with medical and other scientific terminology, with New Testament studies, and as a background for studies in romance languages and English; and 3.) to permit students without Greek and Latin to make direct contact with the classical past from which our western civilization arose.

Requirements for Minor: A student may elect a minor in classical studies with two courses in Greek or Latin above the 101-102 level, two classical civilization courses, and one additional course in Greek, Latin, or classical civilization.

CLASSICAL CIVILIZATION

The following courses are conducted in English; they are open to all students for elective credit regardless of classification. Different courses in this sequence will be offered from year to year.

301. Myth and Man (3). A study of the ancient myths of Greece and Rome and their influence on later literature with comparative material introduced from near Eastern, American Indian, and Norse mythology.

302. Greek Tragedy (3). After a brief introductory study of Greek theatre production and the social-religious context of Greek tragedy, the class will read the main surviving works of the three great tragedians, Aeschylus, Sophocles, and Euripides, and close with two critical works, Aristotle's **Poetics** and Aristophanes' comedy about tragedy, **The Frogs.**

303. The Classical Epic (3). At the head of Western literature and thought stand the two Homeric poems, the **Iliad** and the **Odyssey.** The class will begin by studying the Homeric poems in themselves and as shaping factors in Western civilization. Then, after a brief study of the later Greek works, Hesiod's **Works and Days** and **Descent of the Gods** and Appollonius' **Voyage of the Argo,** it will turn to Vergil's **Aeneid,** in which the Homeric poems are transformed in the service of a quite different but no less important vision of man.

304. Classical Art and Archaeology (3). This course will focus on the changing vision of the world and human experience in ancient art and the forms and techniques which artists evolved to represent that vision. The class also will examine the techniques and the efforts of archaeologists to bring the lost works of ancient civilization to light. There will be field trips to the Museum of Classical Archaeology at the University of Mississippi and to active archaeological sites in Mississippi.

305. The Classical Historians (3). A reading of major portions of the first great historians of the West, Herodotus, Thucydides, Polybius, and Tacitus; the class will focus especially on the conceptions of the world, man, and the proper aims and methods of history which underlie and shape each writer's works.

306. Athens: The Life of a Greek City-State (3). This course will explore the pattern of life in the Greek city-state Athens in all its many dimensions, from the Age of the Tyrants through the Golden Age of Pericles and the political struggles and cultural flowering of the fourth century to its struggle against and absorption into the world-empire of Alexander the Great. The course will make substantial use of writings by Greek authors and some use of audio-visual illustrations so that as much as possible the Greek experience will speak for itself.

GREEK

Courses labelled 301-310 are suitable for second year course work. Credit is not given for the first semester of the elementary language course unless the second semester is completed.

101-102. Introduction to Greek (3-3). Primary emphasis on mastery of grammar, vocabulary, and forms with some attention to Greek literature and culture. Readings include selections from the gospel of St. John, Xenephor's **Anabasis** and Greek poetry.

301. Plato (3).

302. Greek Prose Writers (3).

303. Greek New Testament (3).

304. Homer (3).

306. Euripides (3).

308-309. Elementary Greek Prose Composition (3-3). Practice in writing Greek Attic prose, designed to increase the student's grasp of syntax and style.

401-402. Directed Readings (1 to 3-1 to 3). Additional Greek readings arranged to meet the needs or desires of the students.

411-412. Special Topics (1 to 3-1 to 3). Advanced study of such authors as Homer, the lyric poets, Aeschylus, Sophocles, Euripides, Aristophanes, Demosthenes, Plato, Aristotle, and advanced Greek composition, prose, or verse.

LATIN

Courses labelled 301-310 are suitable for second year work. Credit is not given for the first semester of the elementary language course unless the second semester is completed.

101-102. Elementary Latin (3-3). Designed for students who have undertaken no previous study of the language. Attention is paid to the thorough mastery of forms, vocabulary, syntax, and the techniques of translation.

301. Traditional Forms and Themes in Latin Poetry (3). Selected readings from Classical and Medieval Latin Poetry to illustrate the continuity of the Latin tradition in European civilization.

302. Ovid (3). Selected readings from the **Metamorphoses.**

303. Virgil (3). Selected readings from the **Aeneid.**

304. Cicero (3). Selected readings from Cicero's oratorical and philosophical prose.

305. Horace and Catullus (3). Selected readings.

306. Roman Letters (3). Selected readings from the correspondence of Cicero and Pliny.

308. Intermediate Latin Prose (3).

310-311. Elementary Latin Prose Composition (3-3). A course designed to increase the student's grasp of syntax and style through practice in writing Latin prose; the course will pass from sentences illustrating basic syntactical topics to the composition of brief connected essays.

401-402. Directed Readings (1 to 3-1 to 3). Additional Latin readings arranged to meet the needs or desires of students. Prerequisite: consent of the department chairman.

411-412. Special Topics, (1 to 3-1 to 3). Advanced study of such authors as **Horace,** the **Elegists, Lucretius, Sallust, Livy, Tacitus, Juvenal, Plautus, Terence,** and advanced Latin composition, prose, and verse.

HISTORY

Professor Emeritus:	**ROSS HENDERSON MOORE, Ph.D.**
Professors:	**FRANK MILLER LANEY, JR., Ph.D., Chairman** **WILLIAM CHARLES SALLIS, Ph.D.**
Associate Professor:	**ROBERT S. McELVAINE, Ph.D.**
Assistant Professor:	**ADRIENNE C. PHILLIPS, M.A.**

Requirements for Major: A student must have a 2.50 average in history and maintain this grade for the full course. History 101-102 or Heritage 101-102, History 201-202, and History 401 must be included in the 24 semester hours of history required for a major. A preliminary test must be passed at least one academic year before the comprehensive examination. Students who expect to take graduate work should take French and German.

101. Western Civilization to 1715 (3).

102. Western Civilization since 1715 (3).

201. History of the United States to 1877 (3).

202. History of the United States from 1877 (3).

241-242. The Afro-American Experience (3-3). A study of the historic and contemporary experience of black people in America. The first semester covers the period up to 1877. The second semester covers the period from 1877 to the present. (Same as Sociology 241-242.) **Offered in alternate years.**

300. Topics in American Culture (3). A multidisciplinary exploration of a particular topic in American culture. The history, literature, thought, music, art, and popular culture of a particular period (such as a decade) or aspect of the United States will be studied. Topics will change from year to year, and a student may take the course more than once if the topics are different. (Same as English 300.)

305. The Old South (3). Development of the southern region of the United States from the time of discovery to the beginning of the Civil War. Prerequisite: junior standing or consent of instructor. **Offered in alternate years.**

306. The New South (3). Prerequisite: junior standing or consent of instructor.

307. The Civil War and Reconstruction (3). An examination of the political, economic, military, diplomatic, and social aspects of the Civil War and Reconstruction periods. Prerequisite: junior standing or consent of instructor. **Offered in alternate years.**

308. Mississippi and its Relation to the South (3). Students may enroll for 306 or 308, but not both. Prerequisite: junior standing or consent of instructor.

309. The American Revolution and the Establishment of the Federal Union, 1754-1789 (3). Prerequisite: History 201 or consent of instructor.

310. The Age of Jefferson and Jackson, 1789-1848 (3). A continuation of History 309. Prerequisite: History 201 or consent of instructor.

311. America in the Twentieth Century (3). A topical study of the history of the United States 1917-1945. Prerequisite: History 202 or consent of instructor.

312. America in the Twentieth Century (3). A continuation of History 311 from 1945 to the present. Prerequisite: History 202 or consent of instructor.

313-314. Social and Intellectual History of the United States (3-3). First semester: From Colonial times to the Civil War. Second Semester: From the Civil War to the present. Prerequisite: History 201-202 or consent of instructor.

315. The Emergence of Modern America (3). A topical study of the history of the United States 1877-1916. Prerequisite: History 202 or consent of instructor.

S321. Problems in Modern History (3). The nature and impact of such present-day problems in international relations as nationalism, imperialism, militarism, and propaganda. Prerequisite: History 101-102 or Heritage 101-102.

S322. Problems in Modern History (3). A broad view of the history of Europe since 1914. Prerequisite: History 101-102 or Heritage 101-102.

323-324. Nineteenth Century Europe (3-3). First semester, 1815-1870; second semester, 1870-1914. Prerequisite: History 101-102 or equivalent. **Offered in alternate years.**

325-326. Twentieth Century Europe (3-3). First semester, 1914-1939; second semester, World War II and the post-war era. Prerequisite: History 101-102 or equivalent. **Offered in alternate years.**

327-328. History of England (3-3). A general survey from Roman times to the present. The first semester will cover the period to the Stuart Era, 1603. The second semester will continue the study to the contemporary period, with some attention to the development of the British Empire. Prerequisite: History 101-102 or equivalent. **Offered in alternate years.**

329-330. History of Russia (3-3). The first semester will cover the period to 1855. The second semester will continue to the contemporary period, with special attention to the late nineteenth century and early twentieth century revolutionary movements and to the Soviet regime. Prerequisite: History 101-102 or equivalent. **Offered in alternate years.**

334. Current Problems (3). Problems of national and international importance. Open to students who have six semester hours credit in history.

401. Special Problems in History (3). A study of how history is written and interpreted and of problems in American civilization. May be taken by students who have six semester hours in history and is required of all history majors.

402. Directed Readings (1 to 3). Prerequisite: consent of the department chairman.

411-412. Special Topics in History (1 to 3—1 to 3). Deals with areas not covered in other courses. Offered as required. Prerequisite: consent of department chairman.

PHILOSOPHY

The J. Reese Linn Chair of Philosophy

Professors: **ROBERT E. BERGMARK, Ph.D., Chairman**
MICHAEL H. MITIAS, Ph.D.

Requirements for Major: A minimum of 24 semester hours, including 202, 301, 302, 311, and 492.

Requirements for Minor: A student may elect a minor in philosophy with 15 hours of philosophy (18 hours if six hours are used to meet degree requirements), including 202, 301, 302, 311, and at least one other 300 or 400 level course.

201. Problems of Philosophy. (3). A basic introduction to the main problems, such as knowledge, man, nature, art, the good, and God.

202. Logic. (3). Language, fallacies, deduction (syllogistic and symbolic), and induction (scientific methods).

301-302. History of Philosophy. (3-3). The first semester is a survey of western philosophy through the medieval period; the second semester, from the Renaissance through the nineteenth century.

303. Twentieth Century Philosophy. (3). A survey of western philosophy from 1900 to the present. Prerequisite: Philosophy 201, or consent of the instructor.

311. Ethics. (3). Principles used in the choosing of personal and social values.

315. Existentialism. (3). Historical and comparative treatment of works of such thinkers as Kierkegaard, Jaspers, Heidegger, Sartre, and Marcel.

321. Aesthetics. (3). Consideration of the creative impulse, of the art object, and standards of aesthetic appreciation.

331. Philosophy of Religion. (3). Offered in alternate years.

351. Oriental Philosophy. (3). Offered in alternate years.

361. Philosophy of Science. (3). Prerequisite: Philosophy 201, or consent of the instructor.

381. Metaphysics. (3). Basic categories of experience and reality. Prerequisite: Philosophy 201, or consent of the instructor. **Offered in alternate years.**

401-402. Directed Readings. (1 to 3—1 to 3). Prerequisite: Philosophy 201, or consent of the instructor.

411-412. Special Topic Courses. (3-3). Prerequisite: Philosophy 201, or consent of the instructor. **Offered in alternate years.**

492. Senior Seminar. (3). Intensive reading in a broad spectrum of issues, schools, and thinkers. For senior majors.

RELIGION

The Tatum Chair of Religion

Professors: **LEE H. REIFF, Ph.D., Chairman**
ROBERT H. KING, Ph.D.
THOMAS WILEY LEWIS, III, Ph.D.

Requirements for Major: A minimum of 25 hours beyond those used to meet core requirements for graduation, including 201, 202, 210, 391, 392, 492. Philosophy 331 may be counted toward the religion major if the student does not use it to meet core requirements for graduation.

Requirements for Minor: A student may elect a minor in religion with 12 hours beyond those used to meet degree requirements (15 hours if the requirement in religion is met by Heritage), including 201, 202, 210 or 381, 391, 392.

201. Introduction to the Old Testament (3).

202. Introduction to the New Testament (3).

210. Ways of Being Religious (3). The study of religious phenomena through the analysis and critique of expressions and practices found in the religions of the world.

301. The Teachings of Jesus (3). Offered in alternate years.

302. The Prophets (3). Offered in alternate years.

311. The Life of Paul (3). Offered in alternate years.

321. The Educational Ministry of the Church (3). An examination of the purpose and implementation of the church's educational ministry. Prerequisite: Religion 201, 202. Available on demand.

351. Church and Society (3). The church in the present social order. **Offered in alternate years.**

381. World Religions (3). Offered in alternate years.

391-392. History of Christianity (3-3). The development of Christianity and Christian thought from Jesus to the high Middle Ages, and from the high Middle Ages through the Reformation to the present. Either semester may be taken alone. **Offered in alternate years.**

396. Theology in the Modern Period (3). An examination of major developments in Christian theology from the Enlightenment to the present. **Offered in alternate years.**

401-402. Directed Reading (1 to 3—1 to 3). Individualized reading and research. Prerequisite: consent of the department chairman.

405-406. Independent Study (1 to 3—1 to 3). Individual investigation culminating in a written report. Prerequisite: consent of the department chairman.

411-412. Special Topics (1 to 3—1 to 3). Special areas of study not regularly offered, for an organized class of interested students. Prerequisite: consent of the department chairman.

451-452. Internship (1 to 3—1 to 3). Practical experience for majors and others working in churches, hospitals, and other institutions and organizations. Prerequisite: junior or senior standing and consent of the chairman.

492. Seminar (1).

Language and Literature

ENGLISH

The Milton Christian White Chair of English Literature

Professor Emeritus:	**PAUL DOUGLAS HARDIN, A.M.**
Professors:	**GEORGE WILSON BOYD, Ph.D., Chairman** **ROBERT HERBERT PADGETT, A.M.**
Associate Professor:	**DANIEL G. HISE, Ph.D.**
Assistant Professors:	**RICHARD P. MALLETTE, Ph.D.** **JUDITH W. PAGE, Ph.D.** **AUSTIN WILSON, Ph.D.**

Requirements for Major: An English major must take English 101-102, 103-104, or 105, 201-202, 481 in the second semester of the junior year, and 18 hours of other courses in the department. Majors must complete the 201-202 course in Greek, Latin, or a modern foreign language with a grade of C or better, or pass an equivalent proficiency examination. Students planning to pursue graduate study in English are advised that a reading knowledge of French, German, and sometimes Latin is generally required. A minimum of one year of Latin or Greek is strongly recommended.

Requirements for Minor: A student may elect a minor in English with 18 hours of English beyond the freshman level. Six of the 18 hours must be English 201-202.

101-102. Composition (3-3). First semester, weekly themes and introductions to essays, short stories, and the novel; second semester, research paper and introductions to poetry and drama.

103-104. Composition (2-2). A specially designed course correlated with Heritage 101-102, the Cultural Heritage of the West, and intended to develop and augment the student's abilities in reading, writing, and speaking. Corequisite: Heritage 101-102.

105. Advanced Freshman Composition (3). Designed for freshmen with exceptionally strong preparation in English, as evidenced by an A.C.T. score of 27 or above and the extempore writing of an acceptable theme for a department committee, this course concentrates steadily on expository, critical, and some creative writing. Readings in poetry and short fiction or drama furnish materials for the writing. Class membership selected by a departmental committee.

201-202. English Literature (3-3). A survey of English literature from the beginnings to the present. Prerequisite: English 101-102, 103-104, or 105.

203-204. Literature of the Western World (3-3). A chronological study of selected major works of Continental, British, and American literature from Homer to the present. Prerequisite: English 101-102 or 105 (Not available for credit to Heritage students.)

205. Journalism (3). A basic course emphasizing newswriting and reporting. History and principles of journalism; introduction to make-up, copywriting, and headlines. Prerequisite: English 101-102, 103-104, or 105.

207. Introduction to Creative Writing (3). An introductory course emphasizing the fundamentals of writing both poetry and fiction through readings and frequent writing assignments. Prerequisite: English 101-102, 103-104, or 105.

300. Topics in American Culture (3). A multidisciplinary exploration of a particular topic in American culture. The history, literature, thought, music, art, religion, economics, and popular culture of a particular period (such as a decade) or aspect of the United States will be studied. Topics will change from year to year, and a student may take the course more than once if the topics are different. (Same as History 300.)

301-302. American Literature (3-3). A survey of American literature from the seventeenth century to the present. Need not be taken in sequence. Prerequisite: English 101-102, 103-104, or 105.

319. English Prose and Poetry of the Sixteenth Century (3). English literature at the end of the sixteenth century, with particular emphasis on the development of the lyric and on the early books of **The Faerie Queene.** Prerequisite: English 201-202.

321. English Prose and Poetry of the Seventeenth Century (3). Writers of the seventeenth century, exclusive of John Milton. Prerequisite: English 201-202.

322. English Prose and Poetry of the Eighteenth Century (3). Prerequisite: English 201-202.

325-326. Nineteenth Century Poetry and Prose (3-3). Major poets and prose writers of the Romantic and Victorian age (such as Blake, Wordsworth, Coleridge, Byron, Shelley, Keats, Hazlitt, Browning, Arnold, Tennyson, Ruskin, and Pater), with emphasis on the continuity of forms, conventions, and ideas.

327. Women Writers (3). A survey of women writers of the nineteenth and twentieth centuries (such as Austen, Eliot, Bronte, Woolf, Lessing, Plath, Hellman, Welty, and Drabble), with discussion centering on formal, thematic, and social issues.

331. History of the English Novel (3). Novels from Fielding to Hardy are cast in their historical contexts, with specific consideration of types, movements, and critical techniques. Prerequisite: English 201-202.

332. Modern Fiction (3). Intensive reading of selected novels. Prerequisite: English 201-202.

335. English Drama To 1642 (3). A survey of English drama, excluding Shakespeare, from its beginnings to the closing of the theatres in 1642. After a brief introduction to the early development of English drama, there will be extensive reading of representative Elizabethan and Jacobean dramatists. Prerequisite: English 201-202.

337. Modern Drama. (3). A survey of drama from Ibsen to Beckett and Ionesco. Prerequisite: English 201-202 or 203-204.

341. Modern English and American Poetry (3). Prerequisite: English 201-202.

342. Contemporary Literature (3). A survey of fiction and poetry since 1950. Prerequisite: English 201-202 or 203-204.

350. Major American Writers (3). Prerequisite: English 201-202.

361. Chaucer (3). An introduction to Middle English language and literature; a reading of the Troilus and all the **Canterbury Tales.** Prerequisite: English 201-202.

365-366. Shakespeare (3-3). The first semester focuses on the plays before 1603; the second semester, on the tragedies and late romances. Each semester may be taken separately. Prerequisite or corequisite: English 201-202.

367. Milton (3). Important minor poems, selected prose, and all of **Paradise Lost, Paradise Regained,** and **Samson Agonistes.** Reading and reports from Milton scholarship and a critical paper. Prerequisite: English 201-202.

391-392. Advanced Creative Writing: Fiction (2-2). The writing of a number of short stories or one long work of fiction. Discussion of student work at a two-hour workshop each week and in conference with the instructor. Designed as a year-long course, but open to students in either the fall or spring who wish to take only one semester. Prerequisite: English 207 or the consent of the instructor. **Offered in alternate years.**

393-394. Advanced Creative Writing: Poetry (2-2). The writing of a substantial number of poems in both traditional forms and free verse. Discussion of students' poems at a two-hour session each week and in conference with the instructor. Designed as a year-long course, but open to students in either the fall or spring who wish to take only one semester. Prerequisite: English 207 or the consent of the instructor. **Offered in alternate years.**

395. Advanced English Grammar and Composition (3). An intensive study of English grammar, taking account of both current American usage and formal, traditional usage, and a re-examination of expository composition as based on thesis and logical outline. Prerequisite: English 101-102, 103-104, or 105. **Offered in alternate years.**

396. History of the English Language (3). The origin and development of the English language, structural and phonetic changes, conventions of modern usage. Prerequisite: English 201-202 or 203-204. **Offered in alternate years.**

405-406. Independent Study (1 to 3—1 to 3). Reading and research in special areas under the guidance of the instructor. Prerequisite: consent of the chairman.

411-412. Special Topics in English and American Literature (1 to 3—1 to 3).

451-452. Internship (1 to 3—1 to 3). Practical experience and training in communications (newspaper, television, or advertising) and in library science for well prepared students. Prerequisite: junior or senior standing and consent of the chairman.

481. Junior Seminar (3). A survey of critical theory from Aristotle to the present. Special attention will be given to the various modern critical methodologies and their application to specific literary texts.

MODERN LANGUAGES

Associate Professors: **BILLY MARSHALL BUFKIN, A.M., Chairman**
JOHN L. GUEST, A.M.
ROBERT JOEL KAHN, Ph.D.

Assistant Professor: **DANIEL ANGUS MACLEAY, Ph.D.**

Students with two or more units of a modern foreign language in high school will be given a standard placement test and advised as to whether they are prepared to continue the language at the college level or whether they should take the 101-102 course. A student will not be admitted to 300 or 400 level courses in French, German, or Spanish until 201-202 (or equivalent if transfer student) have been completed.

Credit is not given for 101 unless 102 is completed.

A minimum of one hour per week in the language laboratory is required in all beginning courses.

Requirements for Majors in French, German and Spanish: A minimum of 24 semester hours is required beyond the 101-102 series, although 30 hours is recommended. If a candidate takes only the minimum of required courses, 18 hours must be in the literature of the target language.

Requirements for a Minor in French, German or Spanish: A student may elect a minor with a minimum of 15 semester hours above the 101-102 series.

FRENCH

101-102. Elementary French (3-3). Grammar and reading with constant oral practice.

201-202. Intermediate French (3-3). Review of grammar and reading of modern French prose. Prerequisite: French 101-102 or two years of high school French.

251-252. Conversation and Civilization (3-3). Designed to give students some fluency in the use of the spoken language. Composition drill is also given. Emphasis on civilization in the second semester. Prerequisite: French 101-102 or equivalent.

301-302. Advanced French Composition and Conversation (3-3). This course may be taken in addition to and may also substitute for French 251-252. Prerequisite: French 201-202 or equivalent. **Offered in alternate years.**

311-312. Survey of French Literature (3-3). Survey of French literature from its origins to the present day. Instruction and recitation principally in French. Prerequisite: French 201-202. **Offered in alternate years.**

401-402. Directed Study (1 to 3—1 to 3). For advanced students who wish to do reading and research in special areas under the guidance of the instructor. Prerequisite: consent of the department chairman.

411-412. Selected Topics in French Literature. (3-3). The content to be determined by the instructor and the needs of the students. Prerequisite: French 201-202 and consent of the instructor. **Offered in alternate years.**

GERMAN

101-102. Beginning German (3-3).

201-202. Intermediate German (3-3). Review of grammar and introduction to important writers of German literature. Prerequisite: German 101-102 or the equivalent.

251-252. Conversation and Composition (3-3). Prerequisite: consent of the instructor. **Offered in alternate years.**

261-262. German Civilization (3-3). Cultural survey with special emphasis on history, art and music. Knowledge of German not necessary. **Offered in alternate years.**

313-314. Survey of German Literature (3-3). Survey of early literary monuments with a concentration on the thirteenth century epic and poetry. Works from the Reformation, Baroque and major works of Lessing, Goethe, and Schiller. **Offered in alternate years.**

315-316. Survey of Nineteenth Century and Modern German Literature (3-3). Survey of the Romantics and Realists of the nineteenth century, and major figures of the modern period: Hauptmann, George, Rilke, Mann, Hesse, Kafka, Hofmansthal, Brecht, Boll, and Grass. **Offered in alternate years.**

401-402. Directed Study (1 to 3—1 to 3). For advanced students who wish to do reading and research in special areas under the guidance of the instructor. Prerequisite: consent of the department chairman.

411-412. Selected Topics in German Literature (3-3). Prerequisite: Consent of the instructor.

491. Seminar (1).

ITALIAN

Italian 251-252. Composition and Conversation (3-3). This course is designed to afford the student with two years of another modern foreign language a knowledge of the structure of the Italian language in the first semester. The second semester a cultural reader is used incorporating oral proficiency training. It is recommended for music students. Offered on sufficient demand and when teaching schedules and staff permit. Prerequisite: Two years of another modern foreign language and consent of the instructor.

SPANISH

101-102. Elementary Spanish (3-3). Grammar and reading with constant oral practice.

201-202. Intermediate Spanish (3-3). Review of grammar and reading of modern Spanish prose. Prerequisite: Spanish 101-102 or two units of high school Spanish.

251-252. Conversation and Civilization (3-3). Designed to give students some fluency in the use of spoken Spanish and a familiarity with the civilization. Laboratory drill. Prerequisite: Spanish 101-102 and preferably 201-202.

311-312. Survey of Spanish Literature (3-3). Survey of Spanish literature from its origins to the present day. Instruction and recitation principally in Spanish. Prerequisite: Spanish 201-202 or equivalent. **Offered in alternate years.**

381-382. Survey of Spanish-American Literature (3-3). The first semester deals with the Colonial and independence Periods. The second semester covers the Nineteenth and Twentieth Centuries. Prerequisite: Spanish 201-202 and preferably 321-322. **Offered in alternate years.**

401-402. Directed Study (1 to 3—1 to 3). For advanced students who wish to do reading and research in special areas under the guidance of the instructor. Prerequisite: consent of the department chairman.

411-412. Selected Topics in Spanish Literature (3-3). Prerequisite: Spanish 201-202 and consent of the instructor. **Offered in alternate years.**

413-414. Selected Topics in Latin American Literature (3-3). Prerequisite: Spanish 201-202 and consent of the instructor. **Offered in alternate years.**

LINGUISTICS

391-392. Introduction to Comparative Linguistics (3-3). This course emphasizes the historical development of the Indo-european languages; structural linguistics, semantics, and phonetics; problems related to the teaching of language and philological research. Prerequisite: French German, Spanish 201-202, or Italian 251-252.

Science and Mathematics

BIOLOGY

Professors: **JAMES P. McKEOWN, Ph.D., Chairman**
Associate Professor: **ROBERT B. NEVINS, M.S.**
Assistant Professor: **DICK R. HIGHFILL, Ph.D.**

Requirements for Major: A student must have a 2.50 average in biology and maintain this grade for the full course. All majors take Biology 111-112, 121-122, 315, 491, 492; one of 323, 333, 343, 369, or 398; either 345 or 351; and one of 370, 372, 382, 383, or 391. Candidates for the B.S. also must take Chemistry 231-232 and one year of physics. Candidates for the B.A. are required to take two approved electives in the natural sciences.

Requirements for Minor: A student may elect a minor in biology with 12 hours of biology in addition to either general zoology or general botany.

111-112. Botany (4-4). First semester, structure and function of seed plants; second semester, evolutionary survey of plant kingdom with emphasis on lower plants. Two discussion periods and two two-hour laboratory periods a week.

121-122. Zoology (4-4). Invertebrate and vertebrate taxonomy, morphology, physiology and natural history. Two discussion periods and two two-hour laboratory periods a week.

211. Comparative Anatomy (4). Structures of the organs and organ systems of the chordates, emphasizing the dissection of amphioxus, lamprey, shark, salamander and cat. Two discussion periods and two two-hour laboratory periods a week. Prerequisite: Biology 121-122.

221. Embryology (4). Fertilization, morphogenesis and differentiation of organ systems of vertebrates. Two discussion periods and two two-hour laboratory periods a week. Open to pre-nursing, medical technology, and physical education students or by consent of instructor. Prerequisite: Biology 121-122.

235. Human Anatomy and Physiology (4). Structures and function of the human body. Two discussion periods and two two-hour laboratory periods a week; open to non-science majors. Open to pre-nursing, medical technology, and physical education students or by consent of instructor. Prerequisite: Biology 121-122. **Offered in alternate years.**

236. Applied Physiology (2). A study of the physiological effects of exercise on man and the study of movement with the application of kinesiological principles. Open to physical education majors only or by consent of the instructor. Corequisite: Biology 235. **Offered in alternate years.**

251. Comparative Vertebrate Morphology (5). An integrated course in vertebrate anatomy and embryology. Reproduction and organ system differentiation and a comparative study of the gross anatomy of the vertebrate systems. Three discussion periods and two two-hour laboratory periods a week. Prerequisite: Biology 121-122.

S261. Field Botany (3). Survey of local flora emphasizing plant systematics and ecology. Two discussion periods and one two-hour laboratory period a week. Prerequisite: six hours of biology.

301. Histology (4). Microscopic anatomy of the different vertebrate systems, with an emphasis on basic tissue types. Two discussion periods and two two-hour laboratory periods a week. Prerequisite: Biology 121-122.

315. Genetics (4). Mendelian genetics; the nature, transmission, and mode of action of the genetic material; the role of genetics in development and evolution. Three discussion periods and one three-hour laboratory period a week. Prerequisite: Biology 111-112; 121-122.

323. Plant Taxonomy (4). Principles of classification and evolution; collection and identification of local flora. Two discussion periods and two two-hour laboratory periods a week. Prerequisite: Biology 111-112. **To be taught on demand.**

333. Vertebrate Taxonomy (4). Identification, life history, ecology, and evolutionary histories of the vertebrates. Two discussion periods and two two-hour laboratory periods a week. Prerequisite: Biology 121-122.

340-341. Field Biology (2 to 3—2 to 3). Environmental study trips throughout the United States. Emphasis on ecology and community composition. Two to three weeks away from campus on intensive field studies. Designed for science and non-science majors. Open by application only; limited enrollment. Prerequisite: consent of instructor.

343. General Entomology (4). Identificiation, life history, ecology, and evolutionary histories of the class Insecta. Prerequisite: Biology 121-122.

345. Ecology (4). Interrelationships between organisms and their physical environment; population dynamics and interactions, organization of biotic communities; energy flow, succession, community types. Two discussion periods and one four-hour laboratory a week. Prerequisite: Biology 111-112; 121-122.

S351-S352. Field Biology (5-5). Summer environmental study trips to United States, Canada, and Mexico. Five-week program with approximately three weeks away from campus on intensive field studies. Open by application only; limited enrollment. Prerequisite: eight hours of biology or consent of instructor.

369. Population Biology (4). Biological phenomena at the population level. Emphasis on modern topics including population genetics, population dynamics, speciation, social behavior, and principles of systematics. Two discussion periods and one four-hour laboratory period a week. Prerequisite: Biology 111-112 or 121-122. Corequisite: Biology 315.

370. Comparative Animal Physiology (4). Comparison of animal groups (from protozoa to chordates) as to maintenance of life functions (e.g., energy metabolism, osmoregulation, irritability, movement, and coordination) in different environments (aquatic, terrestrial, and aerial). Three discussion periods and one three-hour laboratory period. Prerequisite: Biology 121-122.

372. Plant Physiology (4). Plant soil and water relations, metabolism, and growth regulation. Two discussion periods and two two-hour laboratory periods a week. Prerequisite: Biology 111-112; Chemistry 232-234. **To be taught on demand.**

381. General Bacteriology (4). Historical survey; bacterial structure, metabolism and taxonomy; role of bacteria in disease, industry, and ecology; common bacteriological techniques. Two discussion periods and two two-hour laboratory periods a week. Prerequisite: Biology 111-112 or 121-122. Chemistry 232-234 recommended.

383. Immunology and Virology (4). The physiology, biochemistry, and genetics of the immune response; viral structure, function, and relationship to host. Three discussion periods and one two-hour laboratory. Prerequisite: Biology 381.

391. Cellular Physiology (4). Study of the constituents, properties, and activities of protoplasm. Three discussion periods and one three-hour laboratory period a week. Corequisite: Chemistry 232-234.

396. Aquatic Biology (4). Structure and function of standing-water (lentic) and running-water (lotic) ecosystems. Emphasis on natural ecosystems as well as applied aspects of pollution biology and identification of aquatic organisms. Two discussion periods and one two-hour laboratory period a week. Prerequisite: Biology 121-122 or consent of instructor.

401-402. Reading and Conference in Biology (1 to 3—1 to 3). Prerequisite: consent of instructor.

403-404. Undergraduate Research (1 to 3—1 to 3). Prerequisite: consent of instructor.

415-416. Special topics in Biology (1-1). One discussion period a week.

451-452. Internship (1 to 3—1 to 3). Practical experience and training with selected research, educational, governmental, and business institutions. Prerequisite: consent of instructor.

491-492. Senior Seminar: Biological Concepts (1-1). Selected topics of biological interest. Required of all senior biology majors. One discussion period a week.

CHEMISTRY

The J. B. Price Chair of Chemistry

Professors: **ROY ALFRED BERRY, JR., Ph.D., Chairman**
CHARLES EUGENE CAIN, Ph.D.
ALLEN DAVID BISHOP, JR., Ph.D.
GEORGE HAROLD EZELL, Ph.D.

Associate Professor: **JIMMIE M. PURSER, Ph.D.**

Requirements for Major: All majors take Chemistry 121-122, 123-124, 231-233, 232-234, 251-253, 334, 491, and Computer 100 or 110. Candidates for the bachelor's degree accredited by the American Chemical Society must have a 2.5 average in chemistry and take Chemistry 341-343, 354-356, 363-365, 364-366; Physics 131-132, 151-152, 231; and mathematics through integral calculus. Two approved electives in chemistry, physics, or mathematics are required. German 201-202, or reading knowledge, is strongly recommended. Other majors are required to take Chemistry 264-266 or 363-365 and 364-366; Physics 111-112 or 131-132 in addition to 151-152; and two approved advanced electives in the natural sciences. A grade below C will not be accepted for any of the above courses required of a chemistry major. A preliminary test must be passed at least one academic year before the comprehensive examination.

Requirements for Minor: A student may elect a minor in chemistry with 14 hours of chemistry in addition to general chemistry.

121-122. General Chemistry (3-3). Atomic theory, theory of bonding, Kinetic Theory of Gases, chemical equilibrium, periodicity, liquid and solid state theory. Corequisite: Chemistry 123-124.

123-124. General Analytical Chemistry (1-1). Theory and applications of qualitative and quantitative techniques with emphasis on solution chemistry. Corequisite: Chemistry 121-122.

231-232. Organic Chemistry (3-3). Structure, reactions, and theory. Prerequisite: Chemistry 121-122. Corequisite: Chemistry 233-234.

233-234. Modern Methods in Organic Chemistry (2-2). Preparation, separation, and identification of organic compounds. Use of modern instrumentation. Corequisite: Chemistry 231-232.

251. Analytical Chemistry I: Quantitative Analysis (3). Chemical equilibria, acid-base theory, oxidation-reduction, and an introduction into electrochemical techniques. Prerequisite: Chemistry 121-122. Corequisite: Chemistry 253.

253. Applications of Analytical Chemistry (2). Gravimetric and volumetric methods are presented in the laboratory with unknowns of acidmetry and alkalimetry, oxidation-reduction, iodimetry, and precipitation methods.

264. Principles of Physical Chemistry (3). Gas laws, properties of liquids, properties of solutions, thermodynamics, chemical kinetics, catalysis, electrochemistry, and colloidal solutions. Prerequisite: Chemistry 121-122. Corequisite: Chemistry 266.

266. Principles of Physical Chemistry Laboratory (1). Corequisite: Chemistry 264.

334. Organic Analysis (2). Identification of organic compounds and mixtures of organic compounds, and classification of organic compounds according to functional groups. Spectral methods are emphasized. Prerequisite: Chemistry 231-233.

335. Modern Methods in Organic Analysis (2). Corequisite: Chemistry 334.

336. Advanced Organic Chemistry (3). Stereochemistry, mechanisms, and selected topics. Prerequisite: Chemistry 231-232. **Offered in alternate years.**

341. Advanced Inorganic Chemistry (3). Atomic structure, theories of chemical bonding, spectrascopy, the electronic basis of periodic classification, and inorganic stereochemistry. Prerequisite: Chemistry 121-122, Mathematics 224 or 226. Corequisite or prerequisite: Chemistry 363.

343. Modern Coordination Chemistry (1). Coordination chemistry and inorganic reaction mechanisms. Corequisite: Chemistry 341.

354. Analytical Chemistry II: Instrumental Analysis (3). Absorption spectrometry, emission spectrometry, potentiometry, polargraphy, differential thermal analysis, and gas phase chromatography. Prerequisite: Chemistry 363, or consent of the instructor. Corequisite: Chemistry 356.

356. Analytical Chemistry II—Methods (1). Practical applications of chemical instrumentation. Corequisite: Chemistry 354.

363-364. Physical Chemistry (3-3). Kinetic-molecular theory, chemical thermodynamics, phase rule, chemical kinetics, nuclear chemistry, surface chemistry, and electrochemistry. Prerequisite: Chemistry 121-122; Mathematics 224 or 226. Corequisite: Chemistry 365-366. Corequisite or prerequisite: Chemistry 251.

365-366. Physio-Chemical Methods. (1-1). Corequisite: Chemistry 363-364.

372. Geochemistry (3). An introduction into the application of chemical principles of geological systems: Carbonate equilibria, Clay colloid chemistry, Eh-pH diagrams, chemical weathering, organic materials in sediments, and phase diagrams. Prerequisite: Chemistry 363 or consent of instructor. (Same as Geology 372.) **Offered in alternate years.**

391. Biochemistry I. (4). Chemistry of biomolecules. Emphasis on amino acids and protein chemistry, mechanisms of enzyme action and enzyme kinetics, lipids and biological membranes, nucleotides and nucleic acids, and carbohydrate chemistry. Prerequisite: Chemistry 231-232.

392. Biochemistry II. (4). Generation and storage of metabolic energy; protein biosynthesis; molecular physiology. Prerequisite: Chemistry 391.

393. Biochemistry I. (3). Chemistry of living organisms. Emphasis of biochemistry of proteins, carbohydrates, and lipids. Prerequisite: Chemistry 231-232.

394. Biochemistry II. (3). Photosynthesis, nucleotides, protein biosynthesis, and biochemical control mechanisms are emphasized. Prerequisite: Chemistry 393.

395. Biochemical Applications I. (1). Corequisite: Chemistry 393.

396. Biochemical Applications II. (1). Corequisite: Chemistry 394.

403-404. Undergraduate Research (1 to 3—1 to 3). Approved students only.

405-406. Independent Study (1 to 3—1 to 3). Approved students only.

411-412. Special Topics in Chemistry (1 to 3—1 to 3). Approved students only.

451-452. Internship (1 to 3—1 to 3). Practical experience and training with selected research, educational, governmental and business institutions. Prerequisite: consent of instructor.

491-492. History & Literature of Chemistry (2-2). Designed to review and integrate basic chemical knowledge in conjunction with an oral and written presentation of scientific works. History of chemistry and the proper use of chemical literature are included.

COMPUTER STUDIES

Professors	**ALLEN D. BISHOP, JR., Ph.D., Chairman** **SAMUEL R. KNOX, Ph.D.** **ROBERT A. SHIVE, JR., Ph.D.**
Associate Professors:	**THOMAS A. PRITCHARD, Ph.D.** **JIMMIE M. PURSER, Ph.D.**

Requirements for Major: Computer studies majors must take the following core of courses: Computer 110, 112, 210, 250, 271 or 272 and 491 or 492. In addition, they must take 21 hours above the computer core from the following group: Any 200 level or higher course in the Department of Computer Studies (excluding Computer 201); Mathematics 335, 346, 351, 381, 382, or 386; Accounting 281, 282, 391, or 394; Administration 333, 334, or 338; Nine of these 21 hours must be in the Computer Studies department. Majors are required to take either Mathematics 172 or Administration 275 to meet the departmental statistics requirement. Candidates for the B.S. degree must also take either Mathematics 223-224 or 225-226.

Requirements for Minor: A student may elect a minor in computer studies with 12 hours of computer courses beyond the degree requirements, of which a maximum of six may be in higher level languages (BASIC, FORTRAN or COBOL).

Facilities are among the finest for student use and include a large Digital Equipment PDP-11 RSTS/E timesharing system, a Digital Equipment PDP-8/e laboratory computer, and an EAI-TR20 analog computer. Terminals are located in several buildings on campus.

100. Introduction to Computing (1). Development of programming skills in the timesharing language BASIC. Designed to enable the student to utilize the computer in the several disciplines.

110. Computing, an Interdisciplinary Approach (3). Brief historical development and the concept of an algorithm. Introduction to computer languages with emphasis on the interactive language BASIC. The impact of computers on society. Stresses the solution of problems from diverse areas. If taken after Computer 100, only two hours credit allowed.

112. Advanced Programming (3). Discussion of algorithms, mathematical models and simulations, file structures, and record I/O. Prerequisites: Computer 110.

201. Computers and Society (3). History of computing and technology. The computer in modern society. The computer and the individual. Computers in decision-making processes. Futurists' view of computing. Survey of computer applications.

210. Computer Organization and Machine Programming (3). Discussion of fundamentals of computer hardware organization and symbolic coding with assembly systems. Prerequisite: proficiency in a higher level programming language.

218. Introduction to Microprocessors (3). Organization and structures of major hardware components of computer systems. Basic designs. Coding techniques (BCD, ASCII). Computer architecture with particular reference to microprocessors. Two lectures and one laboratory per week. Prerequisites: Computer 210 or consent of the instructor.

234. Computers in Physics (3). Elementary numerical methods (numerical quadrature, finite-element solution of boundary-value problems, the discrete Fourier transform and other techniques) implemented in the BASIC language and applied to problems in mechanics, heat flow, electro-magnetism, optics, and quantum physics. Prerequisites: Mathematics 224 or 226, Computer 110 or 100, Physics 231 (or 132 and consent of instructor). (Same as Physics 234.)

250. Data Structures (3). Basic concepts of data, linear and orthogonal lists, trees, arrays, representations of trees and graphs, searching and sorting techniques, data structures in programming languages and organization of files. Prerequisite: Computer 110 or consent of instructor.

271. Computer Programming in FORTRAN. FORTRAN programming and research applications to the behavioral and natural sciences. Prerequisite: Computer 110.

272. Computer Programming in COBOL (3). Introduction to data processing and COBOL programming with application to accounting and information systems. (Same as Accounting 272.) Prerequisite: Computer 110.

311. Algorithmic Languages (3). Formal analysis of algorithmic languages with emphasis on PASCAL or ALGOL. Prerequisites: Computer 271 or consent of instructor. **Offered in alternate years.**

312. Comparison of Programming Languages (3). Formal definition of programing languages. Properties of languages including the scope of declarations, storage allocations, groupings of statements, binding time, subroutines, coroutines. List processing, string manipulation, and data descriptions. Prerequisites: Computer 250 or consent of the instructor. **Offered in alternate years.**

318. Digital Electronics (3). Introduction to electronic processing of digitally coded information. Includes binary arithmetic, Boolean algebra, logic gates, storage elements and sequential logic, memory and processor circuits, and microcomputer organization. One three-hour lecture/laboratory plus two hours of independent laboratory work per week. Prerequisite: Physics 316 and an introductory computer programming course or consent of the instructor. (same as Physics 318.)

342. Theory and Design of Operating Systems (3). Multiprogramming and multiprocessing systems. Mapping and binding of address. Storage management. Process and resource control. Analysis of file structures and file management. Prerequisites: Computer 210 and 250 or consent of instructor.

352. Electronic Analog Computer (1). Linear components, timescale and amplitude-scale factors, non-linear components, and function-generating techniques. One lecture and one laboratory per week. Prerequisite: Mathematics 351. (Same as Mathematics 352.)

354. Computer Graphics (3). Design, construction and utilization of computer graphics. Applications of graphics to selected business and scientific problems. Interactive computer graphics. Prerequisites: Computer 112 or consent of instructor.

362. Introduction to Data Communications (3). Theoretical and practical factors in data communications including communications equipment, communication codes, error effects, protocols and architecture, and network design. Prerequisite: Computer 110.

373. Advanced COBOL and File Processing (3). Advanced COBOL applications, including systems analysis, data acquisition, file structures, table handling, file merging, file updating, interactive processes, and structured programming. Prerequisite: Computer 272 or consent of instructor. **Offered in alternate years.**

374. Data Base Management (3). Organization and maintenance of sequential, random access and indexed sequential data base systems. Design of on-line file systems. Directories, hashing, inverted files and other data base management techniques. Prerequisites: Computer 373 or consent of instructor. **Offered in alternate years.**

401-402. Directed study (1 to 3—1 to 3). Prerequisite: consent of instructor.

411-412. Selected Topics (1 to 3—1 to 3). Prerequisite: consent of instructor.

451-452. Internship (1 to 3—1 to 3). Practical experience and training with selected research, educational, governmental and business institutions. Prerequisite: consent of department chairman.

491-492. Seminar (1 to 3—1 to 3). Prerequisite: consent of instructor.

GEOLOGY

Associate Professors: **WENDELL B. JOHNSON, M.S., Chairman**
DELBERT E. GANN, Ph.D.

Any student may enter physical geology or historical geology. Other geology courses require specific prerequisites. Most courses require laboratory work, some of which is field work. Advanced courses of the 200-300 series are offered in alternate semesters. Special problems, directed studies, and internships with consent of the department and/or organization or agency that offers such programs.

Requirements for Major: Geology 101-102, 200, 201, 203, 212, 221, 250, and six semester hours of field geology. The field geology, S371, six hours, must be taken at another university. Majors must take Mathematics 115-116, Biology 121, Chemistry 121-122 (and laboratories 123-124), and Physics 131-132 or Physics 111-112. Additional courses are suggested in mathematics, chemistry, and physics. Natural Science 101-102 may not be counted toward a geology major.

101. Physical Geology (4). The earth, the rocks which comprise its surface, erosional and depositional processes, volcanism, deformation, and economic deposits. One field trip. Three lecture hours and two hours laboratory.

102. Historical Geology (4). The successive events leading to the present configuration of the continental masses, accounting for the kinds and distribution of surface rocks and minerals. Three lecture hours and two hours laboratory. Prerequisite: Geology 101, or consent of department.

200. Crystallography (3). Unit cell dimensions of the crystallographic systems illustrated by mineral crystals, laboratory-grown crystals, geometics models, x-ray structure, stereographic projections, and goniometric measurements. Two lecture hours and two hours laboratory.

201. Mineralogy (4). Geometrical, physical and chemical properties, genesis, and atomic structures of minerals. Use is made of a spectroscope, density balances, and x-ray equipment. A valuable elective for chemistry majors. Three lecture hours and two hours laboratory. Prerequisites: Geology 200 and Chemistry 121-122 (and laboratories) or consent of instructor.

202. Economic Geology (4). The chief economic rocks and minerals of the United States and other countries, with consideration of their stratigraphy, genesis, value, and use. Three hours lecture and two hours laboratory. Prerequisite: Geology 101-102, 200 and 201. **Offered in alternate years.**

203. Petrology (4). Introduction to the origins, processes, occurrences, associations, structures, compositions, and classifications of rocks. The emphasis is on megascopic identification of igneous, sedimentary, and metamorphic rocks. An introduction to petrographic procedures is included. Three lecture hours and two hours laboratory. Prerequisite: Geology 101 or consent of instructor. Geology 201 and 312 are strongly recommended.

211. Geomorphology (3). A more detailed treatment of land forms than provided in Geology 101. The physiographic provinces and sections of the United States are studied systematically, but most emphasis is placed on the coastal plain. Two lecture hours and two hours laboratory. Prerequisite: Geology 101-102.

212. Structural Geology (4). Structural features of the rocks comprising the earth's crust, their origin, and their relations to economic geology. Three lecture hours and two hours laboratory. Prerequisite: Geology 101-102 or consent of instructor.

221. Invertebrate Paleontology (4). Classification and morphology of fossil invertebrates with reference to evolutionary history and environment. Field trips to collect the diagnostic fossils in Mississippi. Three lecture hours and two hours of laboratory. Prerequisite: Geology 101-102.

231. Earth Sciences for Teachers (3). Designed to aid science teachers. The course will consist of a study of earthen materials and will emphasize minerals, geochemistry of minerals, use of physical properties in their identification, classification of igneous, sedimentary and metamorphic rocks, topographic maps, fossils and fossilization, geologic time, plate tectonics, and geology of Mississippi. Course counts toward teacher certification. Prerequisite: involvement with the teaching of science in junior or senior high school. **Available on demand.**

250. Principles of Stratigraphy (4). Rock sequences treated in greater detail than in Historical Geology. Lithologic and paleontologic facies of various parts of the United States. Three lecture hours and two hours laboratory. Prerequisite: Geology 101-102.

302. Petroleum Geology (3). The applications of geology to the petroleum industry, theories on origin, problems in migration, oil traps, and occurrences of oil and gas. Several Mississippi oil and gas fields will be discussed in detail. Two hours lecture and two hours laboratory. Prerequisite: Geology 101-102. **Offered in alternate years.**

311. Igneous and Metamorphic Petrology (4). A petrologic study of the megascopic and microscopic characteristics of igneous and metamorphic rocks and their use in rock classification. Practice in identification through the use of hand specimens and thin sections. Two lecture hours and four hours laboratory. Prerequisite: Geology 200 and 201 or consent of instructor. **Offered in alternate years.**

312. Optical Mineralogy (4). An introduction to the petrographic microscope, especially to the reflective, refractive, and polarizing properties of light for the identification of mineral fragments and minerals in thin sections. Two lecture hours and four hours laboratory. Prerequisite: Geology 200 and 201.

321. Sedimentary Petrology (4). Unconsolidated and consolidated sedimentary rocks as determined by megascopic and microscopic mineralogy, x-ray, spectrochemical and differential thermal analyses, mechanical analyses, genesis, and classification. Two lecture hours and four hours laboratory. Prerequisite: Geology 312 or consent of the instructor. **Offered in alternate years.**

S371. Field Geology (6). Practical training in the standard methods of geologic field work. Prerequisite: To be determined by the university or universities operating the course, the probable equivalent of Geology 101, 102, 211, 212, and Geology 200, 201, and 221. **Offered each summer.**

372. Geochemistry (3). (Same as Chemistry 372.)

401-402. Special Problems (1 to 3—1 to 3). Open to advanced students who have individual problems in the field or in the laboratory. Prerequisite: consent of instructor.

403-404. Directed Study (1 to 3—1 to 3). Open only to approved students.

MATHEMATICS

The Benjamin Ernest Mitchell Chair of Mathematics

Professors:	**SAMUEL ROSCOE KNOX, Ph.D., Chairman** **ROBERT A. SHIVE, JR., Ph.D.**
Assistant Professors:	**HERMAN L. McKENZIE, M.S.** **CATHY A. WILLS, M.A.**
Instructor:	**SUSAN R. HOWELL, M.S.**

Requirements for Major: In addition to at least six hours of calculus and the senior seminar, a major is required to take a minimum of six three-hour courses in the 300-series. Work in the major field not taken in residence must be approved by the department.

Requirements for Minor: A student may elect a minor in mathematics with the minimum of three courses in the 300-series in addition to at least six hours of calculus.

103-104. Foundations of Mathematics (3-3). Designed primarily for freshman non-science majors. Includes the structure of the real number system and its sub-systems, measurement, geometry, probability, statistics, logic, and the BASIC computer language.

107. Introduction to Quantitative Methods I (3). Algebra review, functions, linear models, matrices, linear systems, and linear programming.

108. Introduction to Quantitative Methods II (3). Probability, decision theory, statistics, differential, and integral calculus of elementary functions.

115-116. Pre-calculus Mathematics (4-4). A two-semester course for freshman science majors.

172. Elementary Statistics (3). A pre-calculus course concerned with the description of sample data, elementary probability, testing hypotheses, correlation, regression, the chi-square distribution, and analysis of variance. Prerequisite: Mathematics 103, 107, or 115.

211. Analytic Geometry (4). Plane and solid analytic geometry. Coordinate systems in the plane and in space. Curves in two and three dimensions. Transformations of coordinates. Prerequisite: consent of instructor.

S213. Plane Analytic Geometry (3). Coordinate systems. The straight line, circle, ellipse, parabola, hyperbola. Transformations. The general equation of the second degree. Loci and higher plane curves. Prerequisite: consent of the instructor.

S215-S216. Calculus Is-IIs (4-4). An abbreviated version of Mathematics 225-226 designed for summer school. Prerequisite: Mathematics 116.

S217-S218. Calculus Is-IIs (3-3). Same as Mathematics S215-S216 but less credit. Prerequisite: Mathematics 116.

223-224. Calculus I-II (3-3). Basically the same as Mathematics 225-226 but with less emphasis on theory. Prerequisite: Mathematics 116.

225-226. Calculus I-II (5-5). The theory and application of limits and continuity, differentiation and integration of the elementary functions of one variable, series, and introductory multivariate calculus. Prerequisite: Mathematics 116.

325-326. Calculus III-IV (3-3). Topological concepts and a rigorous treatment of continuity, integration, differentiation, and convergence in n-dimensional Euclidean space. Prerequisite: Calculus II. **Offered in alternate years.**

335. Probability (3). The concept of sample space. Discrete and continuous probability distributions. Independence and conditional probability. Characteristics of distributions. Prerequisite: Calculus II.

345. Abstract Algebra (3). Congruences, groups, rings, ideals, isomorphisms, and homomorphisms, fields, equivalence. Prerequisite: Calculus II. **Offered in alternate years.**

346. Linear Algebra (3). Vector spaces and linear transformations. Algebra of matrices. Systems of linear equations. Eigenvalues and eigenvectors. Prerequisite: Calculus II.

351. Differential Equations (3). Differential equations of the first and higher orders, with applications to geometry, physics, and mechanics. Prerequisite: Calculus II.

352. Electronic Analog Computer (1). Linear components, time-scale and amplitude-scale factors, non-linear components, and function-generating techniques. One lecture period and one laboratory period per week. Prerequisite: Mathematics 351.

361. College Geometry (3). A study of advanced topics in Euclidean geometry, and an introduction to non-Euclidean geometrics. Prerequisite: Calculus I. **Offered in alternate years.**

371. Introductory Topology (3). Topological spaces, metric spaces, Hausdorff spaces, compactness, continuous mappings. Prerequisite: Calculus II. **Offered in alternate years.**

381. Operations Research I (3). Linear, dynamic, and integer programming. Simplex method and applications. Duality, area sensitivity analysis, and parametric programming. Prerequisite: Mathematics 346 or consent of instructor.

382. Operations Research II (3). Decision theory and game theory. Queueing theory. Networks and scheduling problems. Simulation, non-linear programming. Prerequisite: Mathematics 381 or consent of instructor.

386. Numerical Analysis (3). Solution of non-linear equations and systems of linear equations. Error analysis. Numerical integration and differentiation. Solution of differential equations. Interpolation and approximation. Prerequisite: Calculus II, Mathematics 351, and knowledge of a programming language or consent of instructor. **Offered in alternate years.**

389. Mathematical Models (3). Model construction, linear optimization, chains, graphs and networks, and growth processes. Practical aspects of model building. Applications. Prerequisites: Calculus II or consent of instructor. **Offered in alternate years.**

391-392. Selected Topics in Mathematics (3-3). Chosen from areas such as applied mathematics, number theory, complex variables, foundations of mathematics, and history of mathematics. Prerequisite: consent of department chairman.

401-402. Directed Study (1 to 3—1 to 3). Reading and research in advanced mathematics. Prerequisite: consent of department chairman.

491-492. Seminar (1-1). Discussions of topics of interest.

PHYSICS AND ASTRONOMY

Associate Professor: **GEORGE MARSTON BEARDSLEY, Ph.D., Chairman**

Requirements for Major: Physics 131-132, 151-152, 231, 311-312, 316, 371-372, Calculus I and II, Mathematics 351, Chemistry 363-364 and 365-366, and Computer 100 or 110. Prospective majors should take 131-132 no later than the sophomore year. No student may receive credit for both Physics 111 and 131, or for both 112 and 132.

PHYSICS

111-112. General Physics (3-3). Fundamentals of mechanics, heat, electricity and magnetism, optics, acoustics, and atomic and nuclear physics. Three lecture periods per week. A non-calculus course intended primarily for majors in the biological and health sciences. Prerequisite: Mathematics 115; while not formally required, Mathematics 116 is also recommended. Corequisite: Physics 151-152.

131-132. Classical Physics (3-3). Mechanics, heat, electricity and magnetism, optics and acoustics, covered more rigorously than in 111-112 and making use of elementary calculus. Intended primarily for majors in the physical sciences, mathematics, and the Engineering Cooperative Program. Three lecture periods per week. Prerequisite: Mathematics 115-116. Corequisites: Physics 151-152 and Mathematics 223-224 or 225-226.

151-152. Physics Laboratory (1-1). Experiments to accompany either of the two introductory physics courses listed above. One laboratory period per week. Corequisite: Physics 111-112 or 131-132.

201. Radioisotope Laboratory (2). Experiments with low-level sources of nuclear radiation; covering basic counting techniques, interactions of radiation with matter, nuclear spectra, and half-life. Other topics (for example: applications of nuclear techniques to problems in biology and medicine or in chemistry) depending on the interests of the class. One lecture period and one laboratory period per week. Prerequisite: Physics 111-112 or 131-132.

231. Modern Physics (3). An introduction to quantum physics and the special theory of relativity, with applications to atomic and nuclear structure. Physics 131, 132, and 231 form a comprehensive three-semester introduction to both classical and modern physics. Prerequisites: Physics 132, Mathematics 224 or 226. Prerequisites or corequisite: Computer 100 or 110.

234. Computers in Physics (3). Elementary numerical methods (numerical quadrature, finite-element solution of boundary-value problems, the discrete Fourier transform and other techniques) implemented in the BASIC language and applied to problems in mechanics, heat flow, electromagnetism, optics and quantum physics. Prerequisites: Mathematics 224 or 226, Computer 110 or 100, Physics 231 (or 132 and consent of instructor). (Same as Computer 234.)

301. Atomic Physics (3). The structure and properties of atoms, molecules and solids. Prerequisite: Physics 231, Chemistry 121-122. Corequisite: Mathematics 351.

306. Nuclear Physics (3). The structure and properties of atomic nuclei, with an introduction to the physics of elementary particles. Prerequisite: Physics 301.

311-312. Electricity and Magnetism (3-3). Charges, currents, electric and magnetic fields in vacuum and in material media, Maxwell's equations, and electromagnetic waves. Prerequisites: Mathematics 224 or 226, Physics 132.

315. Optics (3). Principles of geometrical and physical optics, optical systems, and lasers. Two lecture periods and one laboratory period per week. Prerequisites: Physics 231, Calculus II.

316. Electronics for Scientists (4). Fundamentals of electronic circuits and the use of basic laboratory instruments. Two three-hour lecture/laboratory periods per week. Prerequisite: Physics 131-132.

318. Digital Electronics (3). Introduction to electronic processing of digitally coded information. Includes binary arithmetic, Boolean algebra, logic gates, storage elements and sequential logic, memory and processor circuits, microcomputer organization. One three-hour lecture/laboratory plus two hours of independent laboratory work per week. Prerequisite: Physics 316 and an introductory computer programming course or consent of the instructor. (Same as Computer 318.)

331. Classical Mechanics (3). The principles of Newtonian mechanics, with applications to one or more of the following areas: fluid dynamics, structural engineering, solid state physics or geophysics. Prerequisites: Physics 131-132, Mathematics 223 or 225.

336. Thermal Physics (3). Thermodynamics, kinetic theory of gases and elementary statistical physics. Prerequisites: Physics 131-132, Mathematics 224 or 226.

371-372. Advanced Physics Laboratory (1-1). Prerequisite: consent of the instructor.

401-402. Special Problems (1 to 3—1 to 3). The student is allowed to research topics in which (s)he is interested. Prerequisite: consent of the instructor.

451-452. Internship (1 to 3—1 to 3). Prerequisite: consent of the instructor.

491-492. Seminar (1-1). Student presentations of current problems in physics research. Prerequisite: consent of the instructor.

ASTRONOMY

101-102. General Astronomy (3-3). A study of the earth, moon, time, the constellations, the solar system, the planets, comets, meteors, the sun, the development of the solar system, and the sidereal universe. Two lectures and one observatory period.

301-302. Practical Astronomy (3-3). Spherical astronomy and the theory of astronomical instruments with exercises in making and reducing observations. One lecture and one double laboratory period per week. Prerequisite: Astronomy 101-102 and consent of the instructor.

Social and Behavioral Sciences

EDUCATION

Professor:	**JAMES A. MONTGOMERY, Ed.D.**
Associate Professors:	**STEVE HERING, Ed.D., Chairman** **J. HARPER DAVIS, M.Ed.** **MARY ANN EDGE, M.S.**
Assistant Professors:	**FRANK BORST, Ed.D.** **DONALD HOLCOMB, M.Ed.** **JEANNE M. MIDDLETON, Ed.D.** **THOMAS L. RANAGER, M.Ed.** **MARLYS T. VAUGHN, Ph.D.**

Requirements for all Education Majors: Education 221, 301, 352, 434 or 456, HPE 332.

Additional Requirements for the Elementary Education Major - : Math 103-104, Education 201, 205, 211, 213, 214, 305, 309, 320, 321, 323, 337, 339, 341, 345, HPE 305.

Additional Requirements for the Health/Physical Education Major - : HPE 205, 210, 302, 210, 220, 305, Individual & Team Sports - 6 hours, Electives 6 hours 207 or 205, Education 215 or 213, 372, 341, Biology 235, 236, Sociology 301.

Teacher Certification: Professional training is offered in both secodary and elementary fields, which meets the requirements of the Division of Certification, State Department of Education, for the Class A Certificate. The requirements for certification in elementary education and health/physical education can be met through the respective majors. Secondary certification can be obtained by majoring in a specific subject area and completing the required education courses. A complete listing of certification requirements can be found in the section of the catalog titled "Educational Certification Programs."

201. Introduction to Elementary Education (3). A multi-purpose foundation course to orient the student in the philosophical and social dimensions of elementary education.

205. Child Psychology (3). A study of the theories, principles, and characteristics of human development from conception to the period of adolescence. Same as Psychology 205.

206. Child Development (3). An advanced study of the cognitive, physical, emotional, and psychological development of the child. Prerequisite: Education/Psychology 205.

207. Adolescent Psychology (3). A study of the psychological and biological problems in the developing adolescent. Same as Psychology 207.

211. Mathematics in the Elementary School (3). This course teaches an understanding of the structure of the number system as well as the vocabulary and concepts of sets, algebra, and geometry on the elementary level, with emphasis on individualized instruction. Prerequisite: Psychology 205 or 207.

213-214. Reading in the Elementary School (3-3). A study of the basic reading skills with extensive work in the methods and materials of teaching reading.

215. Reading in the Secondary School (3). Designed for teachers of the content subjects in grades 7-12 with major emphasis on the role of reading in the learning process. Research and evaluation are stressed as well as an analysis of materials employed in specific reading improvement programs. There is also emphasis on instructional methods.

221. Survey of the Exceptional Child (3). A study of the exceptional child with emphasis on identification, diagnosis, and etiology. Includes objectives, organization, and administration of special education courses.

301. Career Education (3). This course is designed to enable teachers, counselors, and school administrators to understand, lay a foundation, and build a framework for a program in career education. Special attention is given to methods for integrating career education into all levels of the educational program.

305. Language Arts in the Elementary School (3). Speaking, writing, and listening with special emphasis on linguistics.

309. Literature: Kindergarten through 8th grade (3). Development of the elementary literature program with emphasis on story telling, fables, myths, and poetry.

320. Science in the Elementary School (3). Science for the elementary school teacher.

321. Social Studies in the Elementary School (3). Social studies for the elementary school teacher.

323. Music in the Elementary School (3). Music for classroom teachers. The basic elements of theory are included. Prerequisite: Psychology 205 or 207.

337. Art in the Elementary School (3). Teaching art in the primary grades with emphasis on the correlation with other learning areas.

339. Methods and Materials in Middle Grades and in Early Childhood Education (3). Critical analysis of the most significant books and research studies in foundations, organizations, learning, instruction, curriculum, evaluation, and specialty areas in elementary education. Students will explore and identify alternative solutions to contemporary issues through group interaction.

341. Measurement and Evaluation (3). Includes test terminology, types of instruments, selection procedures, and the administering, scoring, tabulation, and interpretation of test data.

345-347. Principles of Early Childhood Education or Principles of Elementary Education (3). Principles and techniques of teaching elementary grades including philosophy and foundations of education, organizational patterns which include the self-contained classroom, team teaching, and non-gradedness. Special attention is given to education of the young child in 345 and to upper elementary students in 347.

352. Educational Psychology (3). Applications of psychology to problems of learning and teaching. Same as Psychology 352.

362. General Methods of Teaching in the High School (3). A practicum. Prerequisite: Education 207, 352.

372. Principles of Secondary Education (3). Legal, philosophical, and historical foundations of the modern high school emphasizing current practices, issues, and problems.

401-402. Directed Study (1 to 3—1 to 3). Prerequisite: consent of department chairman.

410. Comparative Education (3). Study of the philosophy, curriculum, and objectives of various educational systems. Field research will be an integral part of the class content.

415. Computers in Education (3). Designed to enable the educator to utilize the computer for various instructional and administrative tasks. An introduction to educational computer packages such as the Huntington series in math, science, and social science for the secondary grades, and the Riverdale Math Package for elementary areas.

430. Directed Observation and Student Teaching in the Elementary School (6). One semester. Prerequisites: C average and Education 211, 213-214.

434. Directed Observation and Student Teaching in the Elementary School (12). Full time—one semester.

452. Directed Observation and Student Teaching in the High School (6). One semester. Prerequisite: C average and Education 352, 362.

456. Directed Observation and Student Teaching in High School (12). Full time—one semester.

600-604. Instructional Seminar (3). Designed primarily for the professional educator. The seminar will offer opportunities to increase classroom effectiveness through the use of innovative practices and the study of pertinent topics.

610. Comparative Education (3). Study of the philosophy, curriculum and objectives of various educational systems. Field research will be an integral part of the class content.

615. Computers in Education (3). Designed to enable the educator to utilize the computer for various instructional and administrative tasks. An introduction to educational computer packages such as the Huntington series in math, science, and social science for the secondary grades, and the Riverdale Math Package, for elementary areas.

HEALTH AND PHYSICAL EDUCATION

Activity Courses

Most courses are coeducational. Students furnish their own gym clothing. The department will furnish baskets.

A105-A106 Archery (1-1)
A107-A108 Weight Training for Men (1-1)
A109-A110 Body Tone for Women (1-1)
A111-A112 Karate (1-1)
A113-A114 Water Safety (1-1)
A131-A132 Beginning Horsemanship (1-1)
A231-A232 Intermediate Horsemanship (1-1)
A333-A334 Advanced Horsemanship (1-1)
A115-A116 Fencing (1-1)
A117-A118 Aerobics (1-1)
A119-A120 Dance (101)
A123-A124 Basic Gymnastics
A201-A202 Golf (1-1)
A211-A212 Bowling (1-1)
A221-A222 Tennis (1-1)

Varsity Athletics

A140-A141 (First Year), A240-A241 (Second Year), A340-A341 (Third Year), A440-A441 (Fourth Year). Varsity Football. Open only to students who compete in varsity football.

A150-A151 (First Year) A250-A251 (Second Year), A350-A351 (Third Year), A450-A451 (Fourth Year). Varisty Baseball. Open only to students who compete in varsity baseball.

A160-A161 (First Year), A260-A261 (Second Year), A360-A361 (Third Year), A460-A461 (Fourth Year), Varsity Tennis. Open only to students who compete in varsity tennis.

A170-A171 (First Year), A270-A271 (Second Year), A370-A371 (Third Year), A470-A471 (Fourth Year). Varsity Basketball. Open only to students who compete in varsity basketball.

A190-A191 (First Year), A290-A291 (Second Year), A390-A391 Third Year, A490-A491 (Fourth Year). Varsity Soccer. Open only to students who compete in varsity soccer.

Academic Courses

205. First Aid (3). Designed to assist the student in safety skills and techniques of immediate and temporary care in the event of an injury or sudden illness along with study of first aid subject matter.

207. Principles, Philosophy and History of Physical Education (3). A review of the foundations of modern physical education derived from its principles, philosophy, and history. To be taught in the fall semester every third year.

210. Rhythms (3). Kindergarten-grade 12. The study of the scope, content, and methodology of the rhythms and dance program. Emphasis is on the creative and aesthetic values therein, and the integration and correlation with the other arts in the school curriculum.

220. Physical Education for the Exceptional Child. (3) A study and development of concepts and knowledge of physical education programs for the exceptional child.

302. Motor Development and Movement Education (3). Kindergarten-grade 6. Designed to develop a basic understanding of how and where the body moves and what the body can do as applicable to children in grades K-6. The student will become familiar with various ways to recognize the stages of motor development in children and how to prepare activities for skill acquisitions.

304. Principles and Methods of Secondary Health (3). The characteristics of the secondary student, activities suited to the physical and mental levels represented, facilities, and equipment.

305. Physical Education for the Elementary Grades (3). The characteristics of the elementary school child, activities suited to the physical and mental levels represented, facilities, and equipment.

308. Institutional and Community Recreation (3). Techniques and theories of directing church and other institutional and community recreation programs, with special emphasis on designing programs for all age groups.

311-312. Theory of High School Coaching for Individual and Team Sports (3-3).

321-322. Athletic Officiating (3-3).

332. Consumer Health (3). Personal health and care of the body; food, sanitation, diseases and contagion, vitamins, and hormones.

405. Tests and Measurements (3). Kindergarten-grade 12. A study of the various tests in the field of health and physical education, including uses and interpretation of elementary statistical techniques.

POLITICAL SCIENCE

Associate Professors: **JOHN QUINCY ADAMS, J.D., Chairman**
HOWARD GREGORY BAVENDER, M.A.

Requirements for Major: Political Science 101, 102, 271, 341, 342, 351, 352, 301, 302, and 491. Majors must have a 2.50 average in political science course work.

Special Programs. In conjunction with Drew University, political science majors may enroll in the United Nations Semester and the London Semester. In conjunction with American University, students may enroll in the Washington Semester. Each program involves study for one semester off campus. For further information see section Special Programs.

101. American Government I (3). A systems analysis of our national political environment, inputs, and decision-making agencies, involving study of federalism, political parties, Congress, the Presidency, and the judiciary.

102. American Government II (3). Output analysis of our national fiscal, regulatory, grant-in-aid, social, defense, and foreign policies.

112. State and Local Government (3). Urban democratic theory, community power analysis, and institutions and policies. **Offered in alternate years.**

115. Mississippi Civil Rights and Politics Since 1950. (3). Offered in alternate years.

211. President and Congress. (3). Powers, functions, organizaton, and decision-making processes of each branch, plus roll-call analysis of Congress. **Offered in alternate years.**

261. International Relations (3). Issues, strategies, and theories of international politics including the concepts of national interest and national defense, imperialism, balance of power, economics, and international cooperation. **Offered in alternate years.**

262. U.S. Foreign Policy (3). Including diplomatic, military, and economic aspects developed within the context of current issues. **Offered in alternate years.**

265. U.S. Diplomatic History (3). Offered in alternate years.

271. Scope and Methods (3). The nature of the discipline, library research techniques and utilization of statistics in political science.

301. Political Theory I (3). Classical theory from the Greeks through Hobbes, Locke, Rousseau, and the theorists of the American Revolution.

302. Political Theory II (3). Nineteenth century liberalism, Marxism, totalitarianism, and twentieth century political thought.

311. American Political Parties (3). Functions, organization, nominations, campaigns, and voting rights and behavior, with attention to Mississippi politics. **Offered in alternate years.**

338. Public Administration (3). Theory and application of planning, organizing, staffing, directing, coordinating, reporting and budgeting in public agencies. **Offered in alternate years.**

341. Comparative Government I (3). General comparative theory as applied to the political cultures and institutions of Great Britain, France, and other nations. Prerequisite: Political Science 101.

342. Comparative Government II (3). General comparative theory as applied to the political cultures and institutions of the Soviet Union and other nations. Prerequisite: Political Science 341.

351. Courts and the Constitution I (3). Constitutional politics, the judicial process, court operation, and constitutional relationships among the three branches of government. Prerequisite: Political Science 101. **Offered in alternate years.**

352. Courts and the Constitution II (3). Equal protection, criminal due process, and first amendment freedoms. Prerequisite: Political Science 351. **Offered in alternate years.**

364. International Law and Organization (3). World order in a legal setting. **Offered in alternate years.**

401-402. Directed Reading (1 to 3—1 to 3).

403-404. Undergraduate Research (1 to 3—1 to 3).

405-406. Independent Study (1 to 3—1 to 3).

411-412. Special Topics Course (1 to 3—1 to 3).

452. The Mississippi Legislative Intern Program (3). A student serves as an aide to one or more members of the Mississippi Legislature for one semester during a regular session of the Legislature. Prerequisite: (a) a major in political science; (b) junior or senior standing; (c) permission of the chairman. Application should be made early in December immediately preceding a new legislative session.

453-454. Constitutional Liberties Internship (3). Placement with a law firm or government agency to work as an aide. Prerequisites: Political Science 351 and 352.

456. Public Administration Internship (3). Placement with a federal, state, or local government office to work at the middle management level. Prerequisite: Political Science 338.

491. The Senior Seminar: Modern Theory (3). Reading, reports, and discussion on the state of the discipline of political science. Includes contributions by other disciplines to politics.

PSYCHOLOGY

Professors: **RUSSELL WILFORD LEVANWAY, Ph.D., Chairman**
EDMOND R. VENATOR, Ph.D.

Requirements for Major: A minimum of 27 semester hours in the department. Required courses are 202, 305, 306, 314, 315, 491, 303 or 304, 313 or 331. Under unusual circumstances a student may substitute an elective course for a required course if (s)he passes an examination on the subject matter covered by the required course. This special examination will be administered by the department chairman and must be passed before the student is eligible to take the comprehensive examination. The student successfully taking this special examination will receive no additional course credit toward the degree.

Requirements for Minor: A student may elect a minor in psychology with 12 semester hours beyond Psychology 202 and approval of the department chairman.

Requirements for combined major in Psychology-Sociology: A minimum of 41 semester hours in the two departments. A combined major in Psychology and Sociology, with a concentration in Psychology, requires completion of the following courses: Psychology 202, 206, 303, 304, 305, 306, 313, 314, 315, 491; Sociology 101, 221, 371, 493. An internship in the area of the student's interest is strongly recommended.

202. Introduction to Psychology (3). Methods of studying behavior in the areas of learning, intelligence, maturation, personality, emotions, and perception. Not generally recommended for freshmen.

205. Child Psychology (3). Same as Education 205.

206. Social Psychology (2). Principles of communication, group interaction, and human relations.

207. Adolescent Psychology (3). Same as Education 207.

212. History and Systems (3). Emphasis on the outstanding systems of psychological thought as exemplified by both past and contemporary men in the field.

214. Developmental Psychology (3). Topics emphasized are: Piaget's developmental theory, child-rearing practices, early childhood development, and the nature-nurture issue. Prerequisite: Psychology 202.

271. Statistics for the Behavioral Sciences (3). Emphasis on inferential techniques. Consent of instructor.

303. Abnormal Psychology (3). Considers man's deviations from the normal, environmental correlates of such deviations, and corrective procedures. Prerequisite: Psychology 202.

304. Theories of Personality (3). Consideration of the whole spectrum of personality theories, including Freudian, humanistic, existential, and behavioristic models. Prerequisite: Psychology 202.

305-306. Experimental Psychology: Methodology and Statistics (4-4). A two-semester sequence which integrates statistical treatments and research methodologies. Introduction to philosophy of science; research methods with special emphasis on experimental designs; descriptive and inferential statistical analysis; interpretation of data; and scientific writing. Content areas include scaling, psychophysics, and perception. Required lab. Prerequisite: Psychology 202. Psychology 305 prerequisite to Psychology 306.

307. Physiological Psychology (4). The neuroanatomical correlates and physiological processes underlying psychological activity, including physiological factors in learning, emotion, motivation, and perception. **Offered in alternate years.**

312. Operant Conditioning Laboratory (1). Experience with the techniques of operant conditioning. Student will work one on one with a rat and explore several schedules of reinforcement. Prerequisite: Psychology 202 and consent of instructor.

313. Psychology of Motivation (3). Emphasizes the initiation of a sequence of behavior, including its energization, selection, and direction. Examines both theory and research findings involving biological and social controls of behavior. Prerequisite: Psychology 202. **Offered in alternate years.**

314. Learning (3). Human verbal learning, memory and transfer. Principles and theories of respondent and operant conditioning and their interactions. Prerequisite: Psychology 202.

315. Psychological Tests and Measurements (3). Prerequisite: Psychology 202 and Psychology 305.

316. Basic Circuitry and Instrumentation in Behavioral Research (1). Research applications of equipment in common use in psychology laboratories. The student will devise and construct simple circuitry. Consent of instructor.

320. Cognitive Processes (3). An examination of the processes of thinking, reasoning, problem solving, concept formation, memory, hypnosis, and parapsychology. Prerequisite: Psychology 202.

331. Perception (3). Perceptual phenomena and the theories which have been constructed to explain them. Prerequisite: Psychology 202. **Offered in alternate years.**

352. Educational Psychology (3). Same as Education 352.

390. Comparative Psychology (3). Behavior of lower animals. Relation of behavior to organismic structures and environmental stimuli. Prerequisite: Psychology 202.

401-402. Directed Reading (1 to 3—1 to 3). Prerequisite: consent of the instructor.

403-404. Undergraduate Research (1 to 3—1 to 3). Prerequisite: consent of the instructor.

411-412. Special Topics. (1 to 3—1 to 3).

451-452. Internship (1 to 3—1 to 3). Prerequisite: consent of instructor.

453-454. Teaching Practicum (3). As a member of a teaching team, the student will attend all classes of the introductory Psychology course and will lead a tutorial group composed of a portion of the students enrolled in the same introductory course. Prerequisite: selection by instructor.

491. Seminar (3). Reading of selected books and articles as a basis for critical classroom discussion.

SOCIOLOGY AND ANTHROPOLOGY

Associate Professor: **FRANCES HEIDELBERG COKER, M.S., Chairman**
Assistant Professor: **ALLEN SCARBORO, Ph.D.**
Visiting Instructor: **LOURDES HENEBRY, M.S.**

Sociology is the study of human interaction. Its focus ranges from intimate, face-to-face relations to the organization of whole societies. Sociology seeks to understand the ways in which people act in groups and to explain the causes and consequences of these behavior patterns.

Anthropology is the study of human beings, their physical and cultural evolution. It is particularly concerned with the way of life of people much different from ourselves such as the Polar Eskimos, Pueblo Indians, and many others.

Requirements for Major: A minimum of 27 semester hours in the department. Required courses are 101, 201, 281, 282, 371, 492, 493 and any other two courses offered by the department. Majors are encouraged to take 281 and 282 in their sophomore or junior years; 492 and 493 in their junior or senior year.

Requirement for Minor: A student may elect a minor in sociology with 15 hours in the department, including 101, or a minor in sociology-anthropology with 15 hours in the department, including 101, 201, and two other courses in anthropology.

Requirements for combined major in Sociology-Psychology: A minimum of 41 semester hours in the two departments. A combined major in Sociology and Psychology, with a concentration in Sociology, requires completion of the following courses: Sociology 101, 201, 206, 221, 281, 282, 371, 492, 493, 451, or 452, and Psychology 202, 303, 313, and 315.

SOCIOLOGY

101. Introduction to Sociology (3).

102. Social Problems (3). Survey of social problems such as overpopulation, war, poverty, and deviance.

205. Sociology of Religion (3). Theories and studies on the origin, nature, and institutional structure of religion. Prerequisite: Sociology 101. **Offered in alternate years.**

206. Social Psychology (2). Same as Psychology 206.

221. Introduction to Social Work (3). Explores purpose, techniques, and organization of the profession. Prerequisite: Sociology 101 or consent of instructor.

240. Minority Group Relations in American Society (3). Sociological theory and research on racial and ethnic groups in the U.S. **Offered in alternate years.**

241-242. Afro-American Experience (3-3). Deals with the historic and contemporary experience of black people in America. The first semester covers the period up to 1915. The second semester covers the period from 1915 to the present. Same as History 241-242. **Offered in alternate years.**

281. Methods and Statistics I (3). Introduction to philosophy of science, ethical issues in social research, basic methods of data-gathering, qualitative analysis, descriptive statistics. Prerequisite: Sociology 101 or equivalent.

282. Methods of Statistics II (3). Advanced data and analysis, methods of data presentation and introduction to computer use. Prerequisite: Sociology 281.

301. Marriage and the Family (3). Emphasis on changing roles of men and women and patterns of child rearing in contemporary society.

321. Urban Sociology (3). Theory and research on the city and the problems of urban life. Prerequisite: Sociology 101. **Offered in alternate years.**

332. Social Movements (3). The study of both reform movements and revolutions, their causes and effects. Prerequisite: Sociology 101 or consent of instructor. **Offered in alternate years.**

341. Social Factors in Health (3). Covers doctor/patient relationships, organization of health in the United States, the effect of social variables on health and illness. **Offered in alternate years.**

361. Human Ecology (3). Research and theory interpreting cultural evolution in terms of interaction between populations and environments. **Offered in alternate years.**

371. Social Stratification (3). Research methods, theories and empirical findings pertaining to social stratification. Prerequisite: Sociology 101.

381. Death and Grief (3). Topics include stages of dying, relationships of patients to family and medical staff, ethical issues surrounding death, stages of grief and functions of rituals. Prerequisite: junior or senior standing.

391. Sociology of Deviance (3). Crime, delinquency, abortion, homosexuality, drug use, alcoholism, prostitution, and other forms of deviance, viewed from a non-moralistic sociological perspective. **Offered in alternate years.**

401-402. Directed Reading (1 to 3—1 to 3). Prerequisite: consent of instructor.

403-404. Undergraduate Research (1 to 3—1 to 3). Research project proposed and conducted independently by a junior or senior major, with report due at end of semester. Prerequisite: consent of instructor.

405-406. Independent Study (1 to 3—1 to 3). Inquiry by a junior or senior major capable of independent work with minimum of supervision. Prerequisite: consent of instructor.

411-412. Special Topics in Sociology (1 to 3—1 to 3). Deals with areas not normally covered in other courses, but of current interest to students. Prerequisite: Sociology 101.

451-452. Internship (1 to 3—1 to 3). Practical experience and training for majors working with selected organizations engaged in social research, social work, and community organization. Prerequisite: consent of instructor.

492. Seminar in Sociological Theory I (3). Historical approach to theoretical development in sociology, focusing on European school, social reformers, and symbolic interactionists. For junior or senior majors.

493. Seminar in Sociological Theory II (3). Modern sociological theory, ranging from functionalism to conflict theory and phenomenology. Opportunities to integrate and expand upon current sociological knowledge. For junior or senior majors.

ANTHROPOLOGY

201. Introduction to Anthropology (3). Basic concepts and approaches to anthropology, archaeology, and particularly cultural and social patterns of preliterate peoples.

401-402. Directed Readings (1 to 3—1 to 3). Prerequisite: consent of instructor.

403-404. Undergraduate Research (1 to 3—1 to 3). Research project proposed by a junior or senior major, and conducted independently by outstanding student. Research report due at the end of the semester. Prerequisite: consent of instructor.

405-406. Independent Study (1 to 3—1 to 3). Readings in an area of special interest to the junior or senior major capable of highly independent work with supervision. Report due at end of semester. Prerequisite: consent of instructor.

411-412. Special Topics in Anthropology (1 to 3—1 to 3). Deals with areas not covered in other courses, but of current interest to students.

Interdisciplinary Studies

Heritage 101-102. The Cultural Heritage of the West (7-7). An essentially chronological portrayal of the heritage of Western man viewed from the perspectives provided by literature, history, religion, philosophy, the arts, and other disciplines. The course will be made up of a balance of lectures, discussion and laboratory sessions, and occasional field trips. Designed for entering freshmen, but open to some sophomores. Limited enrollment. Corequisite for entering freshmen: English 103-104.

Liberal Studies 100. Introduction to the Liberal Arts (3). A course designed to orient adult learners to the academic community; to assist them to acquire the skills necessary for academic success, especially reading and writing skills; and to introduce them to the theory of liberal arts education. Class will be conducted in a discussion format with frequent writing assignments, culminating in a research paper. Enrollment limited to candidates for the Bachelor of Liberal Studies degree.

Library 405. Independent Study (1 to 3 hours). A course designed for the student wishing to explore independently a subject of inter-departmental interest, a subject requiring extensive reading or research, or a subject area not directly related to an existing department. The student must present a written proposal stating objectives for the approval of the head librarian and the major professor. Working closely with a library faculty member, and when necessary with the advice of a subject specialist, the student reads broadly in the subject, concluding with a bibliography and report.

Natural Science 101-102. Science and the Human Prospect (4-4). A course designed primarily for the non-science major, presenting an integrated view of the natural sciences: biology, chemistry, geology, and physics. The interdependence of science, technology, and the human condition will be emphasized. Along with lectures, discussion and laboratory sessions, extensive use will be made of computer assisted instruction. Recommended for sophomores and juniors. Prerequisite: Mathematics 103-104 or equivalent (e.g. Mathematics 107 or 115 and Computer 100).

School of Management

The Chair of Management
The Dan White Chair of Economics

Professors:	**JERRY D. WHITT, Ph.D., Dean**
	RICHARD BRUCE BALTZ, Ph.D.
	GEORGE M. HARMON, D.B.A.
	SUE Y. WHITT, Ph.D., C.P.A.
Associate Professors:	**CARL A. BROOKING, Ph.D.**
	WALTER P. NEELY, Ph.D.
	SHIRLEY F. OLSON, D.B.A.
	THOMAS E. PRITCHARD, Ph.D.
	TERRY K. SHELDAHL, Ph.D.
	STEVE CARROLL WELLS, M.A., C.P.A.
Assistant Professors:	**BETSY JANE CLARY, Ph.D.**
	RAYMOND A. PHELPS, II, M.B.A.
	GAIL E. SYPE, M.B.A.

Objective of the School of Management. The objective of the School of Management is to provide managerial and professional leadership to the larger society by educating future leaders, providing consulting and other services to the community, and expanding the body of knowledge in the field of management. With respect to the educational mission, our goals are to develop a general management outlook toward organizations and the changing environment they face; to foster the ability to organize information for analysis as the basis for making decisions; to instill standards of professional behavior which are consistent with the expectations of society; and to provide technical expertise required for entry-level positions and leadership attributes necessary to attain positions in general management.

Bachelor of Business Administration (BBA). Accounting and business administration majors must complete additional requirements for the Bachelor of Business Administration degree (B.B.A.). Economics majors must complete additional requirements for either a B.S. or B.A. degree. The requirements for a major in accounting or in business administration are in addition to courses which may be used to satisfy the minimum college requirements for all degrees and cannot be used to satisfy both areas. Majors must make a grade of C or better in all courses required by the School of Management.

At least 51 hours must be earned in courses offered by the School of Management and at least 51 hours must be earned outside the School of Management.

Coursework at the 300-level or above may be taken only by students who have completed at least 60 semester hours.

Students pursuing the B.B.A. degree are encouraged to add depth in a nonbusiness area that a minor can provide. Minors which would be of particular value to students in the School of Management are available in computer studies, modern languages, English, chemistry, political science, psychology, and biology.

Transfer Credit: Transfer students should normally expect to satisfy the statistics requirement (Administration 275) at Millsaps. The typical first six hours of accounting principles will normally satisfy the department's 281-282 requirement. The typical six hours of sophomore economics will normally satisfy the Economics 201-202 requirement. Transfer students will be required to satisfactorily complete at least 18 hours of courses offered by the School of Management to meet the requirement for the BBA degree and the major regardless of the specific requirements satisfied by transfer hours. In some instances this may mean repeating certain transferred, upper-division courses. Students should not expect to transfer credit in courses numbered at the 300-level or above from a community college to Millsaps.

Requirements for major in accounting: The program of study is adequate preparation for the C.P.A. and C.M.A. examinations. Accounting majors must complete the requirements for a B.B.A. degree in addition to requirements for the major. Accounting 281-282 and Economics 201-202 should not be taken before the sophomore year. Computer 100 or equivalent and Business Administration 275, should be taken before the junior year. Accounting 381, 382 and 391 and Business Administration 321, 333, 334, 336, and 362 should be taken in the junior year. Accounting 392, 395 and 398 and Business Administration 221-222 and 399 should be taken in the senior year.

Requirements for major in business administration: The requirements for the business administration major, in addition to the general requirements for the B.B.A. degree, are very flexible and afford students the opportunity to take advanced electives which will provide a foundation to enter several professional fields. A student may pursue areas of concentration in finance and in marketing. Alternately, a student may pursue a broad approach without any specific area of concentration.

Administration majors should take Accounting 281-282, Economics 201-202, Computer 100 or equivalent, and Business Administration 220 and 275 before their junior year. Business Administration 321, 333, 334, 336, and 362 should be taken during the junior year. Area concentration courses, electives, and Business Administration 399 should be taken in the senior year.

Requirements for a B.A. degree with a major in Economics: This economics major is required to take Business Adminstration 275, Economics 201, 202, 303, 304 and nine hours of economics electives.

Requirements for a B.S. degree with a major in Economics: This economics major is required to take Mathematics 115-116, Business Administration 275, Economics 201, 202, 303, 304 and nine hours of economics electives. To prepare for graduate studies in economics the student should include Mathematics 223-224 or 225-226, 335 and 346.

Requirements for a minor in the School of Management: Students pursuing the B.B.A. degree may not minor in accounting or administration. Students pursuing any other undergraduate degree may elect a minor in either of these disciplines with 12 hours beyond the degree requirements, including the following: for the accounting minor Accounting 281-282, Economics 201-202, and six additional hours of accounting; for the administration minor nine hours from Accounting 281-282 and Economics 201-202, Business Administration 333, and six additional hours of business administration. Students pursuing any undergraduate degree may minor in economics with Economics 201-202 and 12 additional hours of economics. Administration 275, Statistics, may be used to satisfy three of the 12 elective hours for the economics minor if not utilized to meet major requirements.

Master of Business Administration (M.B.A.) Degree is offered and the foundation coursework may be taken at the undergraduate level. Foundation courses include: Accounting 281-282, Economics 201-202, Administration 220, 275, 321, 333, 334, 362 and Computer 100. See the graduate catalog for details.

Suggestions for non-majors: Economics 201, 202, Accounting 281, 282 and Business Administration 220 are good entry-level offerings. Other courses in the School are appropriate for electives, especially Economics 340 and 341, Accounting 395 and Business Administration 321 and 333. Please note, however, that junior status is required before taking courses at the 300 level or above.

ACCOUNTING

281-282. Introduction to Accounting (3-3). First semester, basic concepts and procedures; second semester, financial and administrative applications.

381-382. Intermediate Accounting Theory (3-3). Accounting principles applicable to the content, valuation, and presentation of the principal ledger items; the analysis of financial statements; working capital and operations; reorganization; selected topics. Prerequisite: Accounting 281-282.

391. Cost Accounting (3). Procedures for accumulating data for product costing with major emphasis on costs for managerial planning and control. Prerequisite: Accounting 281-282.

392. Auditing (3). A conceptual approach to auditing with attention directed to audit reports and informational systems. Prerequisite: Accounting 381-382.

394. Fund Accounting (3). Principles and applications appropriate to governmental and other non-profit institutions. This course is available for seniors and graduate students only. Prerequisite: Accounting 281-282.

395-396. Tax Accounting (3-3). Problems and procedures in connection with federal and state tax laws including the preparation of various reports. Accounting 396 is available for senior and graduate credit only. Prerequisite: Accounting 281-282.

397. Readings in Accounting Theory. (3). A critical examination of present accounting standards, principles and concepts in order to develop a comprehensive philosophy of accounting. This course is available for senior and graduate credit only. Prerequisite: Accounting 382.

398. Advanced Accounting Problems (3). Practical problems and recent developments in accounting procedure. Prerequisite: Accounting 381-382.

401-402. Directed Readings (1 to 3—1 to 3).

403-404. Undergraduate Research (1 to 3—1 to 3).

405-406. Independent Study (1 to 3—1 to 3).

411-412. Special topics in Accounting (3-3).

451-452. Internship (1 to 6—1 to 6). Practical experience and training with selected business and government institutions. Graded on a credit/no credit basis only.

BUSINESS ADMINISTRATION

220. Legal Environment of Business (3). A study of legal environment in which management must function including governmental regulatory agencies, antitrust laws and antidiscrimination laws.

221-222. Business Law (3-3). Introduction to legal systems, coverage of the Uniform Commercial Code with regard to contracts, negotiable instruments, personal property and sales transactions; the second semester covers the code in regard to partnerships, corporations, real property, estates.

275. Business Statistics (3). Descriptive statistics, probability, probability distributions; estimation and hypothesis testing; regression and correlation; time series analysis. (Three-hour lecture, one-hour optional laboratory). Prerequisite: Mathematics 107-108, or 115-116.

321. Marketing Management (3). A survey of the functions, processes and institutions which direct the flow of goods and services from producer to consumer or user.

325. Sales Management (3). Develops the system necessary for planning, organizing, directing and controlling the efforts of a sales force. This course is available for senior and graduate credit only. Prerequisite: B.A. 321.

326. Marketing Research (3). Examines modern research methods and techniques for gathering, recording, and analyzing information for marketing decisions. This course is available for senior and graduate credit only. Prerequisite: B.A. 275 and 321.

333. Introduction to Management (3). Theories of organized structure, behavior, communication, and managerial decision making.

334. Operations Management (3). System analysis, decision making, examination of management science techniques in problem solving. Prerequisite: B.A. 275.

335. Human Resource Management (3). The management of human resources and employment procedures and personnel administration.

336. Management Information Systems (3). A survey of computer hardware and software concepts and the design of commercial computer systems from a management perspective. Prerequisite: Computer 100 or equivalent.

337. Industrial Relations Legislation (3). The legal background and effects of government regulation of labor relations. Emphasis on study of the National Labor Relations Act, and Title VII of the Civil Rights Act.

338. Introduction to Management Science (3). An introduction to the use of the computer in mathematical modeling. The models covered will include linear programming, simulation, and sequential decision making. This course is available for senior and graduate students only. Prerequisite: B.A. 334.

339. International Business (3). A study of the management of multinational businesses. This course is available for seniors and graduate students only. Prerequisite: B.A. 321.

362. Business Finance (3). An introductory course in financial management directed at the analysis of financial problems. Integrated approach to basic concepts of valuation, investment and financing. Prerequisite: Accounting 282.

365. Investments (3). Introductory course in investment management and analysis is directed at an understanding of how people make investment decisions. Consideration of the description and theory of capital markets and individual investment instruments. Prerequisite: B.A. 362.

367. Principles of Insurance (3). The concept of insurance, institutions, and applications to risk. **Offered in alternate years.**

368. Principles of Real Estate (3). The basic concepts relevant to the ownership and management of property. **Offered in alternate years.**

369. Advanced Business Finance (3). An advanced course that examines the financial decisions of the firm. Selected topics include current asset management, capital budgeting under uncertainty, long-term financing, dividend policy and mergers. Prerequisite: B.A. 362.

390. Small Business Administration (3). Small business consulting including field work with the Jackson business community. Prerequisites: Accounting 282 and B.A. 321, 333, 334, and 362.

399. Business Strategy (3). The case study and simulation approaches are used for solution of problems in managerial economics, accounting, marketing, finance, personnel, and production. Prerequisites: Accounting 282 and B.A. 321, 333, 334 and 362.

401-402. Directed Readings (1 to 3—1 to 3).

403-404. Undergraduate Research (1 to 3—1 to 3).

405-406. Independent Study (1 to 3—1 to 3).

411-412. Special Topics in Business Administration (3-3).

451-452. Internship (1 to 6—1 to 6). Practical experience and training with selected business and government institutions. Graded on a credit/no credit basis only.

ECONOMICS

201. Principles of Microeconomics (3). An examination of basic micro concepts of economic behavior, the role of the price system and income distribution.

202. Principles of Macroeconomics (3). An examination of basic macro concepts of economic behavior, national income analysis, stability and growth.

303. Intermediate Microeconomic Theory (3). Value and distribution theory, market equilibrium, resource allocation, policy analysis, and managerial applications. Prerequisite: Economics 201 and 202. **Offered in alternate years.**

304. Intermediate Macroeconomic Theory (3). National Income measurement; commodity and money market equilibrium; aggregate demand and supply analysis; monetary and fiscal policy issues. Prerequisites: Economics 201 and 202. **Offered in alternate years.**

340. Current Economic Problems and Issues (3). Class discussion of current problems and an opportunity for students to apply micro and macroeconomics principles to current issues. Prerequisites: Economics 201 and 202.

341. Money and Financial Systems (3). A survey of the microeconomic aspects of financial systems, including market structure, behavior, and regulation of commercial banks and other financial intermediaries; the creation of money; central bank organization and monetary control; and current issues. Prerequisites: Economics 201 and 202.

342. Public Finance (3). Government decisions on expenditures, taxation, debt management and policy analysis. Prerequisite: Economics 201 and 202. **Offered in alternate years.**

344. History of Economic Thought (3). Development of economic thought from the classical school to the present time. Prerequisite 201-202. **Offered in alternate years.**

346. Comparative Economic Systems (3). A survey and examination of the contemporary world economic systems. Available for senior and graduate credit only. Prerequisites: Economics 201 and 202. **Offered in alternate years.**

348. International Economics (3). An extension and application of economic theory to international issues with an examination of world money markets, exchange rates, adjustment mechanisms, and issues. Available for senior and graduate credit only. Prerequisites: Economics 201 and 202. **Offered in alternate years.**

401-402. Directed Readings (1 to 3—1 to 3).

403-404. Undergraduate Research (1 to 3—1 to 3).

405-406. Independent Study (1 to 3—1 to 3).

411-412. Special Topics in Economics (3-3).

451-452. Internship (1 to 6—1 to 6). Graded on a credit/no credit basis.

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register

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Director of Information Systems

THE COLLEGE FACULTY

EMERITI FACULTY

LOIS TAYLOR BLACKWELL (1963).....Emerita Associate Professor of English
A.B., A.M., Mississippi College

FRANCES BLISSARD BOECKMAN (1966).....Instructor, Catalog Librarian
A.B., Belhaven College; A.M., Mississippi College

C. LELAND BYLER (1959).....Emeritus Professor of Music
A.B., Goshen College, M.M., Northwestern University

MAGNOLIA COULLET (1927).....Emerita Professor of Ancient Languages
A.B., Millsaps College; A.M., University of Pennsylvania; B.M. Belhaven College;
A.M. (German), University of Mississippi

ELIZABETH CRAIG (1926).....Emerita Professor of French
A.B., Barnard College, Columbia University; A.M., Columbia University

MARGUERITE WATKINS GOODMAN (1935).....Emerita Professor of English
A.B., Agnes Scott College; A.M., Tulane University

PAUL D. HARDIN (1946).....Emeritus Professor of English
A.B., Millsaps College; A.M., Duke University

NELLIE KHAYAT HEDERI (1952).....Emerita Professor of Spanish
A.B., Mississippi State College for Women; A.M., Tulane University

MYRTIS FLOWERS MEADERS (1960).....Emerita Professor of Education
B.S., Millsaps College; M.Ed., Mississippi College

CAROLINE H. MOORE (1968).....Instructor, Order Librarian
A.B., Randolph-Macon Woman's College; A.M., Radcliffe College

ROSS HENDERSON MOORE (1923).....Emeritus Professor of History
B.S., M.S., Millsaps College; A.M., University of Chicago; Ph.D., Duke University

MILDRED LILLIAN MOREHEAD (1947).....Emerita Professor of English
A.B., Mississippi State College for Women; A.M., Duke University

RICHARD R. PRIDDY (1946).....Emeritus Professor of Geology
B.S., Ohio Northern University; A.M., Ph.D., Ohio State University

ARNOLD A. RITCHIE (1952).....Emeritus Professor of Mathematics
B.S., Northeastern State College of Oklahoma; M.S., Oklahoma A. & M. College

GEORGE ROYSTER STEPHENSON (1963).....Emeritus Associate Professor of Ancient Languages
A.B., Millsaps College; B.D., University of the South; L.L.D., Mississippi College

THURSTON WALLS (1957).....Emeritus Professor of Economics and Business Administration
A.B., A.M., University of Texas

FACULTY

JOHN QUINCY ADAMS (1965).....Associate Professor of Political Science
B.A., Rice University; M.A., University of Texas, El Paso; J.D., University of Texas, Austin;
Advanced Graduate Study, University of Texas

McCARRELL L. AYERS (1965).....Assistant Professor of Music
B.S., Eastman School of Music, University of Rochester (New York);
M.M., Indiana University

RICHARD BRUCE BALTZ (1966).....Dan White Professor of Economics
A.A., Belleville Jr. College; B.B.A., M.S., Baylor University;
Ph.D., University of Arkansas

HOWARD GREGORY BAVENDER (1966)..Associate Professor of Political Science
A.B., College of Idaho; M.A., University of Wisconsin;
Advanced Graduate Study, University of Texas

GEORGE MARSTON BEARDSLEY (1974).....Associate Professor of Physics
B.S., Stanford University; Ph.D., University of North Carolina

ROBERT EDWARD BERGMARK (1953)....J. Reese Linn Professor of Philosophy
A.B., Emory University; S.T.B., Ph.D., Boston University

ROY ALFRED BERRY, JR. (1962).....J. B. Price Professor of Chemistry
B.S., Mississippi College; Ph.D., University of North Carolina

ALLEN DAVID BISHOP, JR. (1967) . . . . . Professor of Chemistry
B.S., Millsaps College; M.S., Louisiana State University;
Ph.D., University of Houston

FRANK BORST (1982) . . . . . Assistant Professor of Education
B.S., State University of New York at Cortland; M.B.A., East Carolina University;
Ed.D., Memphis State University

GEORGE WILSON BOYD (1959) . . . . . Milton Christian White Professor of English Literature
A.B., Murray State College; A.M., University of Kentucky; Ph.D., Columbia University

CARL G. BROOKING (1981) . . . . . Associate Professor of Economics and Quantitative Management
B.S., Millsaps College; M.S., Ph.D., University of Pennsylvania

LAURIE L. BROWN (1977) . . . . . Assistant Professor, Acquisitions Librarian
B.A., M.L.S., University of Wisconsin

BILLY MARSHALL BUFKIN (1960) . . . Associate Professor of Romance Languages
A.B., A.M., Texas Technological College; Advanced Graduate Study, Tulane University;
Diploma de Estudios Hispanicos de la Universidad de Madrid

CHARLES EUGENE CAIN (1960) . . . . . Professor of Chemistry
B.S., University of North Carolina; A.M., Ph.D., Duke University

WILLIAM P. CARROLL (1980) . . . . . Assistant Professor of Music
B.M., Millsaps College; M.M., M.S.M., Southern Methodist University

BETSY JANE CLARY (1979) . . . . . Assistant Professor of Economics
B.S., M.S., Mississippi State University; Ph.D., University of Mississippi

FRANCES HEIDELBERG COKER (1967) . . . . . Associate Professor of Sociology
A.B., Millsaps College; M.S.T., Illinois Institute of Technology,
Advanced Graduate Work, University of North Carolina,
Uppsala University (Sweden), University of Hawaii

J. HARPER DAVIS (1964) . . . . . Associate Professor of Physical Education; Head Football Coach
B.S., M.Ed., Mississippi State University;
Advanced Graduate Work, Mississippi State University

MARY ANN EDGE (1958) . . . . . Associate Professor of Physical Education
B.S., M.S., University of Mississippi;
Advanced Graduate Study, University of Southern Mississippi

GEORGE HAROLD EZELL (1967) . . . . . Professor of Chemistry
B.S., Mississippi College; M.S., Florida State University; Ph.D., University of Mississippi

CATHERINE R. FREIS (1979) . . . . . Assistant Professor of Classics
B.A., Brooklyn College; M.A., Ph.D., University of California at Berkeley

S. RICHARD FREIS (1975) . . . . . Associate Professor of Classics; Director of Heritage
B.A., St. John's College in Annapolis; M.A., Ph.D., University of California at Berkeley

DELBERT E. GANN (1982) . . . . . Associate Professor of Geology
B.S., University of Missouri, Kansas City; M.S., Northeast Louisiana University;
Ph.D., Missouri School of Mines and Metallurgy

LANCE GOSS (1950) . . . . . Professor of Speech; Director of The Millsaps Players
A.B., Millsaps College; A.M., Advanced Graduate Study, Northwestern University;
Special Study, The Manhattan Theatre Colony; Summer Theatre. The Ogunquit
Playhouse and the Belfry Theatre; Cinema Workshop, The University of Southern California

JOHN L. GUEST (1957) . . . . . Associate Professor of German
A.B., University of Texas; A.M., Columbia University; Advanced Graduate Study,
New York University; Ottendorfer Fellowship in Germanic Philology,
Bonn University; Fulbright Scholarship, University of Vienna

FLOREADA MONTGOMERY HARMON (1972) . . . . . Assistant Professor; Circulation Librarian
A.B., Tougaloo College; M.S.L.S., Louisiana State University

GEORGE M. HARMON (1978) . . . . . Professor of Management
B.A., Southwestern at Memphis; M.B.A., Emory University; D.B.A., Harvard University

LOURDES HENEBRY (1981) . . . . . Instructor of Sociology/Anthropology
B.A., University of Central Florida; M.A., Eastern New Mexico University

STEVE HERING (1978) . . . . . Associate Professor of Education
B.S., Florida Southern College; M.Ed., Ed.D., Memphis State University

DICK HIGHFILL (1981) . . . . . Assistant Professor of Biology
A.B., M.A., University of California at San Jose; Ph.D., University of Idaho

DANIEL G. HISE (1969) . . . . . Associate Professor of English
A.B., University of California at Berkeley; Ph.D., Tulane University

DONALD HOLCOMB (1981) . . . . . Assistant Professor of Physical Education; Head Basketball Coach
B.S., M.Ed., Memphis State University

SUSAN R. HOWELL (1982) . . . . . Instructor of Mathematics
B.S., University of Southern Mississippi; M.S., University of Southern Mississippi

WENDELL B. JOHNSON (1954) . . . . . Associate Professor of Geology
B.S., M.S., Kansas State College;
Advanced Graduate Study, Missouri School of Mines, University of Missouri

ROBERT J. KAHN (1976) . . . . . Associate Professor of Romance Languages
B.A., State University of New York at Buffalo;
M.A., Middlebury College; Ph.D., Pennsylvania State University

RICHARD KELSO (1981) . . . . . Instructor of Art
B.S., Delta State; M.Ed., Delta State; M.F.A., University of Mississippi

DONALD D. KILMER (1960) . . . . . Associate Professor of Music
B.M., M.M., Indiana University; Advanced Graduate Study, Union Theological Seminary,
University of Kansas, University of Illinois

ROBERT H. KING (1980) . . . . . Professor of Philosophy and Religion
B.A., Harvard University; B.D., Ph.D., Yale University

SAMUEL ROSCOE KNOX (1949) . . . . . Benjamin Ernest Mitchell Professor of Mathematics
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FRANK MILLER LANEY, JR. (1953) . . . . . Professor of History
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BARBARA WEST (1981)....Catalogue Assistant

MEDALS AND PRIZES AWARDED

COMMENCEMENT, 1982

The Founders' Medal . . . . . Debra Ann Basham
and Joseph Thomas Hamrick
The Bourgeois Medal . . . . . Ahn Thi Nguyen
The Tribbett Scholarship . . . . . Hilda Benson White
The Janet Lynne Sims Award . . . . . Thuan Trong Nguyen
The Pendergrass Medal . . . . . Carol Lynette Little
Susan Lee Woodard
The Eta Sigma Phi Awards for Excellence in the Ancient Languages
Classical Languages and Literature
Greek . . . . . Marilyn Diener
Latin . . . . . Debbie Haller
The Magnolia Coullet Senior Award . . . . . Richard King
The J. B. Price General Chemistry Awards . . . . . John Holland
Rakesh Mangal
Leena Paul
The Undergraduate Award in Analytical Chemistry . . . . . Elizabeth Ann Sekul
The Chemistry Department Senior Awards . . . . . John Blizzard
The Myrtis Meaders Teaching Award . . . . . Betty Ann Coggin
The Clark Essay Medal . . . . . Tony Crvich
The Gordon Gulman Geology Awards . . . . . Charlotte Rae Bryant
William G. Rigby
The Ross H. Moore History Award . . . . . Debra Ann Basham
The Freshman Mathematics Awards . . . . . Jeanette B. Prince
The Mathematics Major Awards . . . . . Kenneth Scott Bowie
Laurie Eskridge
Peter Langworthy
The Modern Languages Department Awards
The Albert Godfrey Sanders Award in French . . . . . Angela Jack
The Beginning German Awards . . . . . Robert Brien Britt
Carla Garner
Rife Huckabee
The Intermediate German Awards . . . . . Jeanette B. Prince
Jolene McCaleb
The Deutscher Verein Award . . . . . Suzannah Bowie
The Albert Godfrey Sanders Award in Spanish . . . . . Melanie Kaye Lee
The Senior Music Award . . . . . Susan Brindley
The President John F. Kennedy Award . . . . . William Bradford Chism
The C. Wright Mills Award in Sociology . . . . . Lynette Little
The Alpha Epsilon Delta Award . . . . . Debora R. Dorsett
The West Tatum Award . . . . . Claude Arnett
The American Bible Society Award . . . . . Susan Lee Woodard
The Black Students Association Award . . . . . Thomas Ray Miller
The Chi Omega Social Science Award . . . . . Debra Ann Basham
The Kappa Alpha Eric Gunn Memorial Scholarship . . . . . Rob Buxton
The Theta Nu Sigma Award . . . . . George Harris
The Wall Street Journal Award . . . . . Steve Ezell

DEGREES CONFERRED 1982

BACHELOR OF ARTS

**Claudia Alexandra Arnold.....Clinton
***Debra Ann Basham.....Pensacola, FL
#Elizabeth Jean Brady.....Lula
Lewis Bridges.....Jackson
**Susan Barrie Brindley....Memphis, TN
Susan Blair Brooks.....Jackson
**William Bradford Chism.....Tunica
*Camille Lea Clement.....Gulfport
#Curtis Samuel Collins.....Natchez
James Thomas Cotten.....Clinton
Mary Melissa Covington...Mendenhall
*Richard Craig Curtis.....Jackson
Karyn Annette Davis..Baton Rouge, LA
*Thomas Tarver Dunbar.....Jackson
Thomas Campbell Ethridge.....
Springfield, MO
Philip Walter Gaines.....Pascagoula
*Nancy Sue Gregorie..Baton Rouge, LA
Sarah Elizabeth Gregory....Slidell, LA
Charlotte Anne Grosvenor....Eads, TN
#Randall Wade Hammond....Dallas, TX
***Joseph Thomas Hamrick, Jr.....
New Orleans, LA
Loren Eve Holloway..Baton Rouge, LA
V. Tamra Jackson.....Jackson
Robert Price Johnson.....Jackson
Brenda Ware Jones.....Vicksburg
Brenda Fay Kilgore.....Jackson
**Richard Jackson King.....Greenville
**Bruce James Knight....Covington, LA
Carol Lynette Little.....Greenwood
#William Eugene Livesay.....Jackson
*Rose Annette Massey.....Meridian
*Savannah Lee McMillan.....McComb
#Thomas Ray Miller.....McComb
*Barbara Gail Moore.....Harrisville
Sandra Kay Murphy.....Brandon
Tom Whitelaw Murrey, Jr..Memphis, TN
*Ann McGehee Paradise.....Natchez
*Karen Elizabeth Parker.....Gulfport
Gilson Davis Peterson.....Fulton, KY
#Wade Herbert Purcell.....Tupelo
*Lori Lynn Randolph.....Batesville
Jo-Anna Ray.....Amory
*Margaret Geneva Read.....Natchez
**Arthur Delano Rhodes.....McComb
Shari Lynn Schneider.....Jackson
Perry Lane Smith.....Vicksburg
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Mark Gerald Trigg.....
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*Leah Eileen Adams.....Beauford, SC
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Dennis Edward DeLee.....Clinton, LA
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Louis Gregory Frascogna.....Jackson
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#Dennis R. Griffin.....Brandon
#Claudia Ann Hopkins.....Jackson
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Carol Ann Mansour.....Atlanta, GA
Richard Dale Shaw.....Jackson
#Danny Ray Thorpe.....Jackson
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Jesse Edwin Brent.....D. C.
Charles Robert Ridgway.....LL. D.
Robert Edwin "Buster" Williams..D. Sc.

*Cum Laude
**Magna Cum Laude
***Summa Cum Laude
#Summer Graduate

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Admissions, catalog requests,
bulletins, and schedules . . . . . Director of Admissions
John Christmas

Adult programs and services . . . . . Director of Adult Degree Program
Harrylyn G. Sallis

Alumni . . . . . Director of Alumni Relations and Annual Giving
Floy S. Holloman

Continuing education . . . . . Associate Dean for Continuing Education
Frank Borst

Counseling, housing, health, social
activities, and general student welfare . . . . . Dean of Student Affairs
Stuart Good

General interests of the college . . . . . President
George M. Harmon

Payment of college bills . . . . . Business Office Manager
Warrene Lee

Registration and transcripts . . . . . Director of Records
Sara Brooks

Scholarships and financial aid . . . . . Director of Financial Aid
Jack Woodward

School of Management and
MBA programs . . . . . Dean of the School of Management
Jerry Whitt

Summer Session . . . . . Vice President and Dean of the College
Robert H. King

Millsaps College admits students of any race, color, sex, national or ethnic origin to all the rights, privileges, programs, and activities generally accorded or made available to students of the college. It does not discriminate on the basis of race, color, sex, national or ethnic origin in administration of its educational policies, admissions policies, scholarships and loan programs, and athletic and other school administered programs. No handicapped person is, on the basis of the handicap, excluded from participation in, denied benefits of, or otherwise subjected to discrimination under any program, employment or activity at Millsaps College.

The provisions of this bulletin are not to be regarded as an irrevocable contract between the student and the college. This bulletin has attempted to present information regarding admission requirements, courses and degree requirements, tuition, fees, and the general rules and regulations of the college for the year 1983-84 in as accurate and up-to-date fashion as possible. This does not, however, preclude the possibility of changes taking place during the academic year. If such changes occur they will be publicized through normal channels and will be included in the bulletin of the following printing.

1983

January

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
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30	31					

February

S	M	T	W	T	F	S
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6	7	8	9	10	11	12
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27	28					

March

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6	7	8	9	10	11	12
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April

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24	25	26	27	28	29	30

May

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15	16	17	18	19	20	21
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June

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July

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24	25	26	27	28	29	30
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August

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7	8	9	10	11	12	13
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September

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4	5	6	7	8	9	10
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October

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November

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December

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4	5	6	7	8	9	10
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18	19	20	21	22	23	24
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1984

January

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February

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19	20	21	22	23	24	25
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March

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18	19	20	21	22	23	24
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April

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May

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June

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July

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29	30	31				

August

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September

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October

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21	22	23	24	25	26	27
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November

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18	19	20	21	22	23	24
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December

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